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MINISTRY OF IRRIGATION AND POWER



Annexure III

Ten-daily Discharge Data of the Krishna River System

July 1962

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FOREWORD

The data presented in this Annexure are based on the daily river discharge data at 62 sites on the Krishna river system as made available to the Commission by the States of Andhra Pradesh, Maharashtra and Mysore. The mean discharge for each ten-day period, 1-10, 11-20 and 21 to the last day of a month and the mean discharge and volume of flow for each month have been worked out by the Commission except for data relating to serial numbers 14, 20, 33, 37, 39, 42 and 46 for which the mean discharge figures were worked out and supplied by the State Government.

Where discharges for one or more days are not available, the mean has been calculated for the number of days for which data are available. For some years, for which data are available for the rainy season and are missing for the dry part of the year, or data for one or two ten-day periods during the rainy season are not available, the Commission have assumed the missing discharges on the basis of all the relevant information which is available. The figures so obtained have been shown in brackets.

The year has been taken as the water year applicable to the hydrologic conditions on the Krishna and the Godavari rivers, from 1st June of one year to 31st May of the following year.

The flow at any site as shown herein includes the withdrawals, if any, at that site and releases from upstream storage, if any. This flow excludes upstream withdrawals and extractions for storage, if any.

The Commission found a wide variation in the methods of observation or calculation of discharges adopted at various sites, from time to time. Since the reliability of river discharge data is closely related to the method of observation or estimation of river-discharges, the Commission made special efforts to ascertain these methods. The information that could be obtained in this respect has been set out in this Annexure for each site together with the assumptions, if any, made by the Commission, with regard to the data as presented for that site.

LIST OF SITES ON THE RIVER KRISHNA AND ITS TRIBUTARIES

Sites at which observations have been

Classification :—

D1 — Sites at which velocity observations

D2 — Sites at which velocity observations

S — Sites at which velocity is estimated

C — Sites at which discharges are calcu-

A — Sites at which discharges are calcu-

T — Sites at which discharges are based

Serial No.	Name of site	State in which located	Name of	
			sub-tributary	tributary or main river
1	2	3	4	5
1.	Dhom	Maharashtra	...	Krishna
2.	Khodshi weir	"	...	"
3.	Karad	"	...	"
4.	Chitapur	Mysore	...	"
5.	Deosugur	"	...	"
6.	Siddeswaram	Andhra Pradesh	...	"
7.	Nagarjunasagar Dam	"	...	"
8.	Vijayawada	"	"	"
9.	Jalkewadi	Maharashtra	"	Koyn
10.	Helwak	"	"	"

FOR WHICH DISCHARGE DATA HAVE BEEN MADE AVAILABLE
discontinued are shown in italics.

are made by current meter

are made by floats

from observation of water-surface slope

lated from gauge-discharge curves

lated by weir formulae

on capacity table of the reservoir, spillway overflow and withdrawal through sluices

Classifi- cation	Period for which data available		Remarks	Serial No.
	Period	Number of years for calculating average.		
6	7	8	9	10
D2	June 1907 to Dec. 1918; Jan. 1922 to Apr. 1927	17		1
A	Nov. 1947 to May 1961	12		2
D2	Aug. 1950 to Mar. 1957	6		3
S	June 1958 to May 1959	...		4
S	July 1958 to May 1959	...		5
S	June 1948 to July 1953	5		6
S/D1	Aug. 1956 to May 1961	3	Irregular Observations	7
A	June 1901 to May 1961	60	Earlier data from 1894 not included	8
D1	1949 to 1960	12	June to Oct. only	9
D2	1906 to 1925-26	20	Annual yield only	10

Serial No.	Name of site	State in which located	Name of	
			sub-tributary	tributary or main river
1	2	3	4	
11.	<i>Yeralwadi</i>	Maharashtra	...	Yerla
12.	<i>Ramapur</i>	"	...	"
13.	<i>Radhanagri</i>	"	Bhogawati	Panchganga
14.	<i>Hadalga</i>	"	...	Ghataprabha
15.	<i>Daddi</i>	"	...	"
16.	<i>Dhupdal</i>	Mysore	...	"
17.	<i>Chinchkandi</i>	"	...	"
18.	<i>Anagwadi</i>	"	...	"
19.	<i>Murmuttisangam</i>	"	...	"
20.	<i>Ajra</i>	Maharashtra	Hiranyakeshi	"
21.	<i>Basapur</i>	Mysore	Markandeya	"
22.	<i>Asoga</i>	"	...	Malaprabha
23.	<i>Kolehi</i>	"	...	"
24.	<i>Hiresangam</i>	"	...	"
25.	<i>Chaskaman</i>	Maharashtra	...	Bhima
26.	<i>Dhond</i>	"	...	"

Classifi- cation	Period for which data available		Remarks	Serial No.
	Period	Number of years for calculating average		
6	7	8	9	10
D2	1913 to 1916, 1919 to 1926	12		11
D2	Aug. 1956 to May 1961	...	Irregular observations	12
T	Jan. 1954 to May 1961	7		13
D2	1906 to 1918	13	Annual yield only	14
	June 1919 to May 1927	8		
D2	June 1949 to Oct. 1955	4	Irregular observations	15
A	1906 to 1925-26	20	Annual yield only	16
	Jan. 1938 to May 1961	23		
D2	1953 to 1958	4	June to Nov. only, irregular observations	17
D2	1949 to 1957	3	-do-	18
D2	1949 to 1957	5	-do-	19
D2	1904 to 1926	22	June to Dec. only	20
D2	1949 to 1954	5	June to Nov. only	21
D2	1949 to 1960	8	June to Dec. only, irregular observa- tions	22
A	June 1951 to May 1961	10		23
D2	1952 to 1956	5	June to Nov. only	24
D2	1906 to 1925-26	20	Annual yield only	25
D2	1955-56, 1958-59 1959-60 & 1960-61	4	Dec. to May only	26

Serial No.	Name of site	State in which located	Name of	
			sub-tributary	tributary or main river
1	2	3	4	5

27.	<i>Yadgir</i>	Mysore	...	Bhima
28.	<i>Waki</i>	Maharashtra	Bhama	„
29.	<i>Wadivale</i>	„	Kudil Nalla	„
30.	<i>Shikrapur</i>	„	Vel	„
31.	<i>Pimpalgaon Rahu</i>	„	Mula-Mutha	„
32.	<i>Mulshi Dam</i>	„	Mula	„
33.	<i>Khadakwasla</i>	„	Mutha	„
34.	<i>Nirgudsar</i>	„	Ghod	„
35.	<i>Wadgaon</i>	„	Mina (Ghod)	„
36.	<i>Edgaon</i>	„	Kukdi (Ghod)	„
37.	<i>Visapur</i>	„	Hanga (Ghod)	„
38.	<i>Natambi</i>	„	Nira	„
39.	<i>Vir</i>	„	„	„
40.	<i>Sarati</i>	„	„	„
41.	<i>Narasingpur</i>	„	„	„
42.	<i>Bhatghar</i>	„	Yelwandi (Nira)	„
43.	<i>Mohri</i>	„	Gunjawani (Nira)	„
44.	<i>Hatvalan</i>	„	Sina	„

Classifi- cation	Period for which data available		Remarks	Serial No
	Period	Number of years for calculating average		
6	7	8	9	10
S	July 1957 to Mar. 1959	-		27
D2	June 1949 to July 1959	9		28
D2	June 1949 to Oct. 1959	9		29
D2	June 1949 to May 1961	11		30
D2	1950 to 1959	5	January to May only, irregular observations	31
T	June 1930 to May 1961	31	Monthly figures only	32
T	June 1946 to May 1961	15		33
D2	1906 to 1927	21	June to Dec. only	34
D2	1904 to 1912 & 1917 to 1924	17	-do-	35
	Jan. 1947 to May 1961	12	Full year	
D2	1906 to 1925-26	20	Annual yield only	36
T	Dec. 1949 to May 1961	10		37
D2	1906 to 1925-26	20	Annual yield only	38
A	June 1942 to May 1961	19		39
D2	1949 to 1960	3	Jan. to May only, irregular observations	40
D2	1950 to 1959	3	-do-	41
T	June 1941 to May 1961	20		42
D2	1906 to 1925-26	20	Annual yield only	43
D2	June 1902 to May 1916 and June 1948 to May 1960	21		44

Serial No.	Name of site	State in which located	Name of	
			sub-tributary	tributary or main river
1	2	3	4	5
45.	Wadakbal	Maharashtra	Sina	Bhima
46.	Ekrak Tank	"	Ekrak Nalla (Sina)	"
47.	Hallur	Mysore	...	Tungabhadra
48.	Harihar	"	...	"
49.	Havanur	"	...	"
50.	Hesrur	"	...	"
51.	Tungabhadra Dam	"	...	"
52.	Rajolibanda	"	...	"
53.	Sunkesala	Andhra Pradesh	...	"
54.	Tunga anicut (Sacrebyle)	Mysore	Tunga	"
55.	Lakkavalli	"	Bhadra	"
56.	Bhadra Anicut	"	"	"
57.	Banavasi	"	Varada	"
58.	Vani Vilas Sagar	"	Hagari	"
59.	Naranapur Anicut	"	"	"
60.	Bhairavanithippa	Andhra Pradesh	"	"
61.	Gundlapalli Dam (Dindi)	"	—	Dindi
62.	Paleru	"	—	Palleru

Classification	Period for which data available		Remarks	Serial No.
	Period	Number of years for calculating average		
6	7	8	9	10
D2	1952, 1953, 1958, 1959 and 1960	5	Jan. to May only	45
T	May 1944 to May 1961	17		46
D2	Jan. 1951 to May 1955	4		47
D2	Nov. 1950 to Oct. 1955	4		48
D2	-do-	4		49
D2	Nov. 1950 to Oct. 1954	3		50
C	June 1931 to May 1941	10	Monthly figures	51
T	Feb. 1950 to May 1961	11		
A	July 1960 to May 1961	—		52
A	June 1904 to May 1936	32		53
C	June 1936 to May 1953	17		
C	June 1953 to May 1961	8		
S,A	Jan. 1946 to June 1955 and July 1958 to Mar. 1961	10	Irregular observations	54
C/T	June 1930 to May 1961	31		55
A	May 1947 to Sep. 1954	—	Irregular observations	56
D2	1908 to 1925-26	18	Annual yield only	57
C,T	July 1913 to Dec. 1960	47	Seasonal yield only	58
A	Feb. 1960 to May 1961	—		59
T	Jan. 1957 to May 1961	4		60
T	June 1958 to May 1961	3		61
T	June 1958 to May 1961	2	Irregular observations	62

NOTATION

Unless otherwise stated, the following notation has been adopted herein:—

Q	=	Discharge in cusecs
L	=	Length, in feet, of weir or vent over which flow takes place
H	=	Depth of flow, in feet, on the crest of a weir
N	=	Number of end contractions
S	=	Surface slope of water flowing in a channel
$N(k)$	=	Kutter's rugosity coefficient
$N(m)$	=	Manning's rugosity coefficient
$R. L.$	=	Reduced level, or elevation in feet above mean sea level
h_a	=	Head, in feet, due to velocity of approach
V_a	=	Velocity of approach, in feet per second
g	=	Acceleration due to gravity, in feet per second per second
h	=	Head in feet
d	=	Difference (in feet) between the water level downstream of a weir and the crest of the weir
C	=	Coefficient
G	=	Gauge reading (in feet)
D	=	Depth of water in a channel

(A) METHODS ADOPTED FOR OBSERVING DISCHARGES AT VARIOUS SITES ON THE KRISHNA AND ITS TRIBUTARIES AND (B) THE PERIODS FOR WHICH DATA ARE AVAILABLE

Sites at which observations have been discontinued are shown in italics.

(1) *Krishna at Dhom* (Maharashtra) :

A. The area-velocity method was adopted at this site.

A cross-section at the site was taken generally at intervals of three or four years when cross-sectional areas for different gauge heights were worked out. The site is reported to be stable and not erodible.

The velocity observations during normal monsoon flow were made by using surface floats, generally wooden floats, released and picked up by trained swimmers. No boat was used. These observations were made at five points, one in the middle of the river, one near each bank and one between each bank and the middle. The gauge-run was usually 600 feet to 800 feet long and the mean surface velocity was obtained by dividing the length of the run by $\frac{1}{4}(t_1 + t_5 + t_2 + t_3 + t_4)$ in which t_1, t_2, t_3, t_4 and t_5 were the times, in seconds, taken by each successive float, starting from one bank of the river, to travel from the upper to the lower end of the gauge-run. The mean velocity was calculated by multiplying the mean surface velocity with a coefficient depending on the hydraulic mean depth in accordance with Higham's Table IV, reproduced below :

Hydraulic mean depth (feet)	सद्यमेव जयते	Value of coefficient
0.5		0.59
1.0		0.65
2.0		0.71
3.0		0.73
4.0		0.75
5.0		0.76
6.0		0.77
9.0		0.78
12.0		0.79

The gauge and velocity observations were usually taken twice a day at 6 a.m. and 6 p.m. but, during monsoon, when there are frequent fluctuations in the discharge, the observations were made more frequently. The wooden floats were thrown such that they fell approximately in the required compartments. Gauge readings were taken both at the beginning and end of the velocity observations.

From observations made in accordance with the method described above, standard discharge tables were prepared to serve as a check on the day to day work and for use when the velocity measurements were not made for any reason.

During the period from December to May, when the water-level goes below zero level of the gauge, the flow was diverted in a small well-defined channel of uniform width for a length of about 50 feet and velocity observations were made by noting the time taken by a float to pass from one end to the other of the 50 feet channel ; the float was released by a man wading through the channel. This surface velocity was reduced to mean velocity by multiplying with the constant from the above Table. The cross-sectional area was determined by sounding.

B. Data are available for the period June 1907 to December 1918 and January 1922 to April 1927, with the following exceptions :

- (i) Data for the ten-day periods from October 21-31 to November 11-20, 1907 are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.
- (ii) Data for the ten-day periods January 1-10 to May 21-31, 1919, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 11 years ending with 1918.
- (iii) Data for the ten-day periods May 1-10 to May 21-31, 1927, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining four years 1923-1926.

With the assumptions described above, averages have been worked out for 17 years, June 1907 to May 1918 and June 1922 to May 1927.

The ten-daily mean discharges have been worked out from the morning (6 A. M.) observations only.

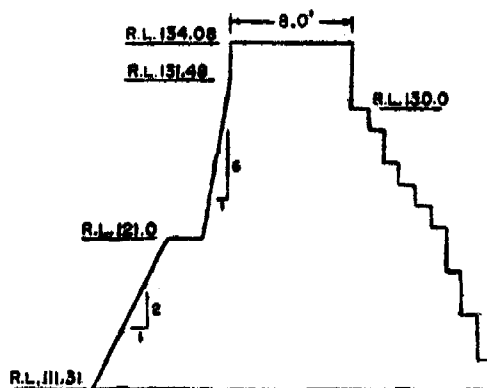
(2) Krishna at Khodshi Weir (Maharashtra) :

- A. The discharge at this site is determined by calculating the flow over the weir and the supply let into the canal. Any water escaped through the under-sluices is ignored.

The alignment of the weir, in plan, is along a curve and its cross-section is shown in *Figure 1*.

Formerly, the discharge over the weir was being calculated by the formula $Q=2.97LH^{3/2}$ but since the remodelling of the weir, it is worked out from the formula $Q=3.1(L-0.1NH)H^{3/2}$, to allow

for end contractions. Free-fall conditions always exist for flow over the weir.



SECTION ACROSS KHODSHI WEIR

Figure 1.

The gauge from which the values of H are observed is situated on the left abutment of the Left Bank Canal. The gauge is thus set back considerably from the main river stream and the portion of the anicut over which the flow occurs. Canal withdrawals are based on a gauge-discharge curve.

- B. Data are available for the period November 1947 to May 1961, excluding the period August 1950 to February 1951. Averages have been worked out for 12 years, June 1948 to May 1961 omitting the year from June 1950 to May 1951.

(3) Krishna at Karad (Maharashtra) :

- A. Generally the same as for (1) above, except that the floats were dropped from a bridge about 200 feet upstream of the site and not released by swimmers. The river bed at this site is reported to be erodible.

B. Data are available only for the period August 1950 to March 1957 with the following exceptions :—

Data are not available for the ten-day periods from January 1-10 to January 21-31 and from April 1-10 to May 21-31 for the year 1957 and figures have been assumed, for each ten-day period, as equal to the respective average for the remaining five years for which data are available.

With the above assumption, averages have been worked out for six years, June 1951 to May 1957.

The mean discharges have been worked out from the morning observations only.

(4) Krishna at Chitapur (Mysore) :

A. At this site the discharge was calculated by the slope-area method. The velocities were worked out with Kutter's formula assuming a uniform surface slope S of 2.62 feet per mile for all stages of flow ; the value of $N(k)$ was taken as 0.035 for all stages of flow and the cross-sectional area and the wetted perimeter for various gauge readings were taken from a table based on only one cross-section observed initially. The gauges were read once or twice a day. The bed of the river at this site is reported to be rocky.

B. Data are available for only one year, June 1958 to May 1959. No averages have been worked out.

(5) Krishna at Deosugur (Mysore) :

A. Same as for (4) above, except that the slope S adopted at this site was 3.0 feet per mile, for all stages of flow, but the values of $N(k)$ were varied, as follows, for different water levels in the river :—

R. L. 1033.5 to 1075.5 $N(k)=0.035$

R. L. 1075.5 to 1092.5 $N(k)=0.030$

R. L. 1092.5 to 1101.5 $N(k)=0.025$

R. L. 1101.5 to 1108.5 $N(k)=0.020$

The site is reported to be rocky and not erodible.

- B. Data are available for only 11 months, July 1958 to May 1959. No averages have been worked out.

(6) *Krishna at Siddeswaram (Andhra Pradesh) :*

- A. The discharges were obtained from a gauge-discharge curve, based on discharges computed by slope-area method. The surface slope was obtained from three sets of gauges observed daily and the value of Kutter's rugosity coefficient $N(k)$ was taken as 0.035 for all stages of flow. The site is reported to be stable.
- B. Data are available for the period June 1948 to July 1953, with the following exceptions :—
- (i) The figure for the period June 1-10, 1948, is not available and has been assumed as equal to the average for this period for the remaining four years.
 - (ii) The figure for the period July 21-31, 1950, is not available and has been taken as equal to the average of the figures for July 11-20 and August 1-10 for the same year.
 - (iii) The data for the ten-day periods September 21-30 and October 1-10, 1949, are not available and have been assumed on the basis of data for earlier and later periods of the same year.
 - (iv) The figures for the periods September 11-20 and October 1-10, 1951 are not available and have been taken as equal to the averages of the figures for the preceding and the following ten-day periods.
 - (v) The data for the month of March, 1950, are not available and have been assumed as equal to the average of the monthly values for February and April 1950.

With the assumptions described above, averages have been worked out for a period of 5 years June 1948 to May 1953.

Whenever there are more than one discharge observation during a day, the mean discharges have been calculated from the morning (6 A.M.) observations only.

(7) Krishna at Nagarjunasagar Dam (Andhra Pradesh)

- A. The slope-area method was used to calculate the river discharge upto January, 1961, from February 1961, the area-velocity method is in use. The velocity was observed initially by surface floats but, since June 1961, current meter observations are being made.

In the slope-area method, the discharge of the river was calculated by using Manning's formula, adopting a uniform surface slope S , for all stages of flow, of 1/1346 (based on observations conducted on two days in July 1956), a constant unvarying river periphery and a fixed value of $N(m)$ of 0.035. A gauge-discharge curve was evolved and a working table prepared showing the discharges corresponding to any gauge. Gauges fixed on the bridge piers, on the upstream side, were read regularly. It is reported that the river bed has since undergone considerable change due to washing in of excavated spoil and debris.

The float method of observation was adopted at the time of diversion of flow through low blocks in the dam, the surface velocity in each low block being obtained by observing the time taken by wooden disc. floats to traverse between two fixed points within the block. The depth of flow was obtained by sounding. The mean velocity was taken as 85% of the surface velocity; the latter, it is reported, was considerably disturbed.

In the current meter gauging, a cross-section taken at about 50 feet downstream of the bridge has been adopted for the cross-sectional areas. Surface velocity observations are made in one out of every three spans of the bridge and at three points in that span (in the middle, in the left third and in the right third) and the average is determined. The mean velocity is taken as 90% of the average surface velocity. The current meter is suspended from the top of the bridge. The reference gauges are the same as before, i.e. those fixed on the bridge piers, on the upstream side.

The bed of the river at the bridge site is reported to be rocky.

- B. Data are available for the period 14th August, 1956, to 31st May, 1961, excluding the period from 24th March, 1957 to 3rd July, 1957. Averages have been worked out for 3 years from June 1958 to May 1961.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

(8) Krishna at Vijayawada (Andhra Pradesh) :

- A. (i) Gauges, upstream and downstream of the anicut and in the off-taking canals were regularly observed and recorded, three times a day, at 6, 12 and 18 hours. From these observations, the supplies withdrawn by the canals, the flow over different portions of the anicut, and the discharges passed through the anicut undersluices were calculated and the sum total of all these components gave the total flow of the River Krishna at Vijayawada, the daily recorded discharge being the weighted average of the discharges at 6, 12 and 18 hours.
- (ii) For the purpose of calculating the discharge over the anicut, the whole length was divided into the following five parts* (see Plate I) :
- (a) The central portion of the anicut, 3,193.35 feet long, is in the form of a weir with a crest width of 6.0 feet with a 20 feet extension upstream at a slightly lower level (see Plate I). It had six feet high automatic shutters on top of the crest. The top level of the shutters was *R.L.* 53.05 and the effective crest level, when the shutters were down, was *R. L.* 47.22.

This description applies upto 1960. From 1961, the new Krishna Barrage has come into operation and the flow conditions have changed.

The crest level of the anicut was originally kept at *R.L.* 45.80. It was raised in the year 1891 to *R. L.* 46.80 and a temporary mud-wall two feet high was built over this crest to raise the water level to *R. L.* 48.80. In the year 1894, the temporary mud-wall was dispensed with and the crest-level was raised to *R.L.* 48.80. But this change was soon found to cause severe damage to the aprons of the anicut and hence, in 1897, the permanent crest was lowered to *R.L.* 46.80 and wooden planks three feet high were used on the crest to give the required water level. Again in 1898, the fixed crest of the anicut was raised to *R.L.* 47.05 and the three feet high automatic falling shutters were replaced by six feet automatic falling shutters of Zifton type. Each shutter was ten feet by six feet and eleven of them formed a set; there were 29 sets of shutters on the anicut.

During the floods of September 1952, the anicut breached in a length of 130 feet. Repairs were immediately taken up during the summer of 1952-53 and the damaged wall of the anicut was rebuilt as a cement concrete wall.

The present Krishna Barrage 3,400 feet long with 70 bays, each 40 feet wide, was constructed between 1952 and 1960. It is a regulator-cum-bridge about 104 feet upstream of the line of shutters of the anicut. The sill level of the barrage gates is *R.L.* 45.05 and their top level is *R.L.* 57.05, the gates being 12 feet high. The barrage came into operation from May 1961, the automatic falling shutters having been removed.

- (b) The Vijayawada side level flank, 174.33 feet long with crest at *R. L.* 53.05.
- (c) The Vijayawada side sloping flank, 108.92 feet long with crest, rising from *R. L.* 53.05 to *R. L.* 57.40, at a slope of 1 in 25.04.
- (d) The Seethangaram side level flank, 156 feet long, with crest at *R. L.* 53.05.
- (e) The Seethangaram side sloping flank, 126 feet long, with crest rising from *R. L.* 53.05 to *R. L.* 58.30, at a slope of 1 in 24.

The position of the river gauges is shown in Plate I.

(iii) The discharge over the anicut was calculated as follows :—

(A) When the downstream water level was *below* the crest level of the anicut :

(a) any flow over the central portion of the anicut [(ii) (a) above] was calculated by the formula* :

$$Q = 3.1L [(H + h_a)^{3/2} - h_a^{3/2}] \dots\dots\dots (1), \text{ in which}$$

L = effective length in feet of the central portion of the anicut, after taking into account any shutters standing ;

H = difference between the average of the readings of two upstream gauges (one on the right flank and the other on the left flank) and the crest level of the anicut (*R. L.* 47.22) ; and

h_a = head due to velocity of approach. The velocity of approach

was taken** as 0.44 H feet per second ; therefore,

$$h_a = \frac{v_a^2}{2g} = \frac{(0.44H)^2}{2g} = 0.003025H^2$$

* It seems that prior to 1913, the velocity of approach was ignored and the coefficient was 2.5 instead of 3.1.

** Based on three *ad-hoc* observations of the river flow near the anicut, made in 1892-93.

- (b) Any flow over the level flanks [(ii) (b) and (d) above] was calculated by formula (1) above, taking H as equal to the difference between the upstream gauge on the flank concerned and the crest $R. L. 53.05$.
- (c) Any flow over the sloping flanks [(ii) (c) and (e) above] was calculated by formula (1) above, ignoring the velocity of approach (*i. e.* taking $h_a = 0$) and taking the average depth of water on the slope and the horizontal length of slope covered by water.
- (d) Any flow over the standing shutters was also calculated by formula (1) above, taking H as the difference between the average of the gauge readings on both flanks and $R. L. 53.05$.
- (B) When the downstream water level was *above* the crest level of the anicut :
- (a) Any flow over the central portion of the anicut [(ii) (a) above] was calculated by the formula :

$$Q = 3.1L [(h + h_a)^{3/2} - h_a^{3/2}] + CLd\sqrt{2g(h + h_a)} \dots (2) \text{ in which :}$$

h represents the difference between the upstream and the downstream water levels (based on the two gauges upstream of the weir on each flank and only one gauge downstream of the weir on the right side).

The value of the coefficient C varies with the value of d as follows* .

	C
For d , less than 5 feet	0.60
„ from 5 feet to less than 6 feet.....	0.62
„ „ 6 „ „ „ 7 „	0.66
„ „ 7 „ „ „ 8 „	0.75
„ „ 8 „ „ „ 9 „	0.84
„ „ 9 „ „ „ 10 „	0.90
„ „ 10 „ „ „ 11 „	0.93
„ „ 11 feet and above	0.95

* It seems that prior to 1917, C was taken as unity for all values of d .

The velocity of approach, in this case also, was taken $0.44 H$, H being the depth of water over the crest. The head due to velocity of approach h_a , therefore, was $V_a^2/2g = (.044H)^2/2g$

$= 0.003025H^2$. From 1936[@], however, a new table was introduced which gave lower values for h_a than by this formula. This may be illustrated by the following table.

H (feet)	Value of h_a adopted before 1936 (feet)	Value of h_a adopted after 1936 (feet)
6.0	0.11	0.11
10.0	0.30	0.28
12.0	0.44	0.35
15.0	0.68	0.44
17.0	0.87	0.48
19.0	1.09	0.49

(b) Any flow over the level flanks [(ii) (b) and (d) above] was calculated by formula (1) above, if the downstream water level was lower than $R.L. 53.05$, and by formula (2) above, if the downstream water level was higher than $R.L. 53.05$. In the latter case, the value of d was taken with reference to the crest level of the horizontal flanks ($R.L. 53.05$) and the coefficient C and the value of h_a in the same manner as described under (a) above.

(c) Any flow over the sloping flanks [(ii) (c) and (e) above] was similarly calculated by formula (1) or formula (2) depending on the downstream water level; the effective length being determined as follows:

For the Vijayawada slope,

$$\text{Length} = \frac{[\text{Upstream water level} + \text{downstream water level} - 53.05]}{2} \times 25.039$$

[@] Chief Engineer, Irrigation letter No. 35/35-A.E.P. dated 12th December, 1936 (not made available to the Commission).

For the Vijayawada steps,

$$\text{Length} = (\text{upstream water level} - 57.40) \times 2.053$$

For the Seethanagaram slope,

$$\text{Length} = \frac{[\text{Upstream water level} + \text{downstream water level}] - 53.05}{2} \times 24$$

Based on the formulae and methods described above, appropriate tables had been framed to facilitate calculations.

- (iv) The withdrawals by the canals taking off Vijayawada anicut were based on observed gauges in the canals and were calculated, from time to time, by the following formulae :

<u>Name of Canal</u>	<u>1921-22 to 1927-28</u>	<u>1928-29 to 1930-31</u>
Bander	$996.7G - 9,745.3$	$244G^2 - 162G - 318$
Ryves	$1,069G - 5,553$	$18.4G^2 + 275.4G - 475$
Ellore	$1,010G - 5,394$	$8.7G^2 + 102.5G - 539$
Seethanagaram	$416G^2 - 50.8G - 446.8$	$27.1G^2 + 257G - 1,917$

The method of calculation of canal withdrawals is not available for the Bander, Ryves and Ellore Canals from 1931-32 to 1935-36 and for the Seethanagaram Canal from 1931-32 to 1941-42. After these dates, the withdrawals were based on gauge-discharge curves which were revised from time to time.

- (v) The discharges passed through the anicut undersluices were calculated as follows :

- (a) When the under-sluices gates were clear of water,

$$Q = 5L\sqrt{h} (H - 0.33h)$$

- (b) When the under-sluice opening was wholly submerged,

$$Q = 5L D\sqrt{h}$$

(c) When the under-sluice opening was partially submerged,

$$Q = 3.1L(H^{3/2} - H_1 L^{3/2}) + 5L D \sqrt{h}, \text{ where}$$

D = height of vent

h = difference between upstream and downstream water levels

H = upstream depth of water above sill and

H_1 = depth of shutter bottom below upstream water level.

- B.** Data are available from January 1894 but are included herein for the period June 1901 to May 1961. Ten-daily figures are not, however, available for the months of January, February and March 1935. Figures for each ten day period of the month concerned have been taken as equal to the monthly average, which is available. With this assumption, averages have been worked out for each 10 years period beginning with June 1901 and also for 60 years.

(9) **Koyna at Jalkewadi (Maharashtra) :**

- A.** The discharges at this site are based on current meter gaugings taken from a cradle travelling along a cableway stretched across the river ; velocities are determined at a depth of three inches from the surface and at every two feet thereafter. The width of the river is divided into six segments and velocities are observed in each. The mean velocity for each segment is determined by plotting the velocities for the different depths and dividing the area under the velocity curve by the depth at that section. The discharge for each segment is then computed and the total of the discharges for all segments gives the total discharge.

Velocity readings are also taken by surface floats for comparison with current meter readings and in times of floods when the use of current meter is not possible. The mean velocity is taken as 0.78 to 0.80 of the surface velocity.

The river bed at this site is reported to be not erodible.

- B.** Data are available from June 1949 to October 1960 for the months June to October only, with the following exceptions :—

- (i) The figures for the period June 1-10 for the years 1950, 1951, 1953 and 1958 are not available and have been taken as nil.

- (ii) Data for two ten-day periods, October 1-10 and 21-31, 1951, are not available and have been assumed mainly on the basis of the corresponding figures for the year 1952.

With the above assumptions, averages have been worked out for 12 years from June 1949 to October 1960.

Irregular data are also available for the months November to May. No averages have been worked out for these months.

(10) Koyna at Helwak (Maharashtra) :

- A. Generally same as for (1) above, except that velocities were observed by current meter. The river bed is reported to be not erodible at this site.
- B. Data for annual yield only are available from 1906 to 1925-26. The figures for the years 1906 to 1919 are for the seven months from June to December. The figures for the months of January to May have been assumed as nil. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st May to 30th April. The position regarding figures for 1920 and 1921 is not clear.

With the above assumption, averages have been worked for 20 years.

(11) Yerla at Yerawadi (Maharashtra) :

- A. Generally same as for (1) above ; the river bed is reported to be not erodible.
- B. Data are available for the period January 1913 to December 1916 and January 1919 to December 1926, with the following exceptions :
- (i) Data for the following periods are not available and have been taken as nil :
May 21-31 and June 1-10, 1914 ; from January 1-10 to May 21-31 for the years 1917, 1926 and 1927 ; from May 1-10 to 21-31 for the years 1920 and 1921; and from April 1-10 to May 21-31, 1925.
- (ii) The figure for the period May 11-20, 1923 is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.

With the assumptions described above, averages have been worked out for 12 years.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(12) Yerla at Ramapur (Maharashtra) :

- A.** Same as for (1) above, except that the cross-sections are taken yearly and sometimes more than once a year ; the river bed is reported to be unstable.
- B.** Irregular data are available for the period August 1956 to May 1961. No averages have been worked out.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(13) Bhogawati (Panchganga) at Radhanagri (Maharashtra) :

- A.** The discharge at this site is taken as the sum of the calculated discharges through the under-sluices, turbines, cross-drains etc. and the flow over the waste weir.
- B.** Data are available for the period January 1954 to May 1961, with the following exceptions :
 - (i) Data for the ten-day periods from January 1-10 to May 21-31, 1961, are not available and the mean discharge for each ten day period has been taken as equal to the respective average for the remaining six years.

With the above assumptions, averages have been worked out for seven years, June 1954 to May 1961.

(14) Ghataprabha at Hadulga (Maharashtra) :

- A.** Generally same as for (1) above; the river bed is reported to be not erodible.
- B.** Data are available from 1906 to 1918 of annual yield based on figures for seven months from June to December ; flow during the months from January to

May is negligible and has been assumed as nil. Averages have been worked out for 13 years.

Daily data are available for the period June 1919 to May 1927, with the following exceptions :

- (i) Data for the ten day period January 11-20, 1924, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
- (ii) Data for the ten-day periods, August 11-20 and 21-31, 1926, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.
- (iii) Data for the ten-day periods May 11-20 and 21-31, 1921, May 21-31, 1924, from April 21-30 to May 21-31, 1926, and from April 1-10 to May 21-31 1927, are not available and have been taken as nil.

With the above assumptions, averages have been worked out for eight years.

(15) Ghataprabha at Daddi (Maharashtra) :

- A.** Same as for (1) above ; the river bed is reported to be not erodible.
- B.** Data are available for the periods from June 1949 to October 1955, with the following exceptions :
 - (i) Data for the ten-day periods from May 1-10 to 21-31, 1950, June 1-10, 1952 and from March 1-10 to May 21-31, 1955, are not available and have been taken as nil.
 - (ii) The figures for the ten-day periods September 21-30, 1952 and April 1-10, 1953 are not available and have been taken as equal to the respective average of the figures for the preceding and the following ten-day periods.

With the above assumptions, and omitting the years 1950-51 and 1951-52, averages have been worked out for 4 years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

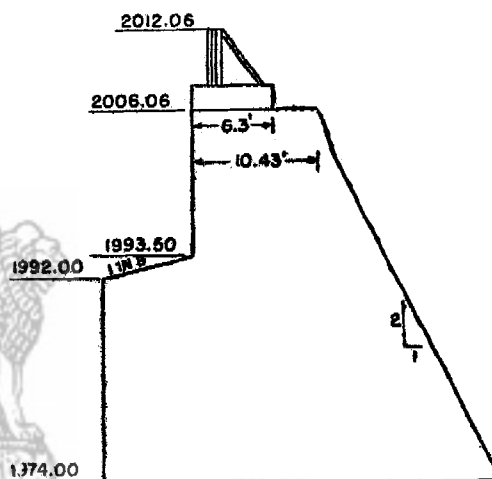
(16) Ghataprabha at Dhupdal (Mysore) :

- A. The discharge at this site is determined from the calculated discharges let through various sluices in the weir at Dhupdal and the quantity flowing over the weir. For flow over the weir, the co-efficient of discharge C is assumed as 0.67 in the formula $Q = \frac{2}{3} C L \sqrt{2g} H^{3/2}$. Thus $Q = 3.55 L H^{3/2}$.

In the middle portion of the weir, the river bed is deep and the conditions of flow are always "free-fall". On the sides, the river bed downstream of the weir is relatively high and during high flow, "free-fall" conditions do not occur there. The reference gauge is fixed on only one side of the weir, on the left abutment. The section of the weir is shown in Figure 2.

- B. Data for annual yield only are available from 1906 to 1925-26. Averages have been worked out for 20 years.

Data, on a daily basis, are also available for the period from January, 1938, to May, 1961. Averages have been worked out for 23 years from June, 1938, to May, 1961.



SECTION ACROSS DHUPDAL WEIR

Figure 2.

(17) Ghataprabha at Chinchkandi (Mysore) :

- A. Generally the same as for (1) above. The cross-section was taken once and velocities were observed at three points instead of five. The observations, it is stated, were made by untrained personnel and the site is reported to be erodible.
- B. Irregular data from June to November are available for the years 1953 to 1958. Omitting the years 1953 and 1957, averages have been worked out for 4 years from July to November.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(18) *Ghataprabha at Anagwadi (Mysore)*

A. Same as for (17) above.

B. Irregular data from June to November are available for the years 1949 to 1957. Averages have been worked out for 3 years, 1949, 1955 and 1956, for which years the data are complete.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(19) *Ghataprabha at Murmuttisangam (Mysore) :*

A. Same as for (17) above. The readings at the site were subject to possible back flow from the Krishna.

B. Irregular data for June to November are available from 1949 to 1957. Averages have been worked out for 5 years, 1950, 1952, 1953, 1954 and 1956 for the months from June to October after assuming certain values not available for the month of June as nil.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

(20) *Hiranyakeshi (Ghataprabha) at Ajra (Maharashtra) :*

A. Same as for (1) above ; the river bed is stated to be not erodible.

B. Data are available from June to December for the years 1904 to 1926, with the following exceptions :

(i) The figure for the ten-day period November 21-30, 1923, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.

(ii) Data for the ten-day periods December 11-20 and 21-31, 1905 are not available and have been taken as nil.

With the assumptions described above, averages have been worked out for 22 years.

(21) Markandeya (Ghataprabha) at Basapur (Mysore)

A. Same as for (17) above.

B. Data are available from June to November for the years 1949 to 1954, except that data for some days of June are not available and have been taken as nil. With this assumption, averages have been worked out for 5 years, omitting the year 1950.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

(22) Malaprabha at Asoga (Mysore) :

A. Same as for (17) above. The river bed at this site is stated to be rocky and not erodible.

B. Irregular data are available from June to December for the years 1949 to 1960. Omitting the years 1950, 1953, 1954 and 1956 and with the assumptions described below, averages have been worked out for eight years :—

(i) Figures not available for some days in the month of June have been taken as nil.

(ii) Figures for the ten-day periods from November 11-20 to December 21-31, 1951, are not available and have been taken as nil.

The mean discharges have been worked out from morning observations only.

(23) Malaprabha at Kolchi (Mysore) :

A. Same as for (1) above until the year 1956. Since then, the discharges are based on overflow over the weir, calculated from the formula $Q=3.11 LH^{3/2}$ and the canal withdrawals.

The section of the weir is shown in *Figure 3*. Free-fall conditions occur during low flow but the weir is submerged during high discharges.

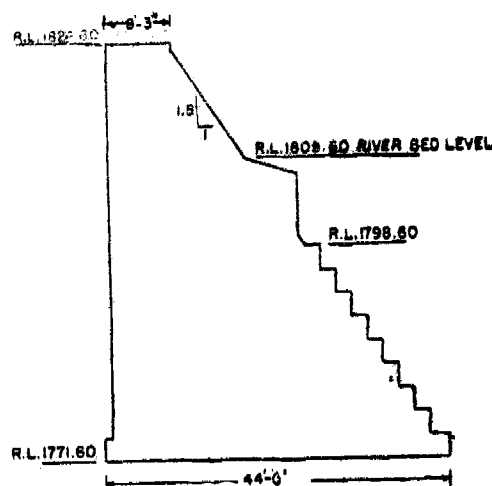
B. Data are available for the period from June 1951 to May 1961, with the following exceptions :

- (i) Data for the ten-day periods, December 11-20 and 21-31, 1955, and March 21-31, 1958, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year
- (ii) Data for the ten-day period June 1-10, 1956 is not available and has been taken as equal to the average of the figures for the preceding and following ten-day periods.
- (iii) Data for the ten-day periods from October 21-31, to December 21-31, 1957, and from January 1-10 to April 1-10, 1959, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 9 years.
- (iv) Data for the ten-day period, April 21-30, 1958, is not available and has been taken as equal to the average for this period for the remaining years.
- (v) Data for the ten-day periods from May 1-10 to 21-31, 1958 and May 1-10 1959 are not available, and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining years.

With the above assumptions, averages have been worked out for 10 years, June 1951 to May 1961.

(24) Malaprabha at Hiresangam (Mysore) :

A. Same as for (17) above ; the readings are likely to be subject to effect of back flow from the Krishna.



SECTION ACROSS KOLCHI WEIR

Figure 3

B. Data are available from June to November for the years 1952 to 1956, with the following exceptions :

- (i) The figure for the ten-day period August 1-10, 1952, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
- (ii) Data for the ten-day periods from November 1-10 to 21-30, 1952, are not available and have been taken the same as the corresponding figures for the year 1957.
- (iii) The figure for the ten-day period June 1-10, 1953, is not available and has been taken as equal to the average for this period for the remaining four years.
- (iv) The figure for the ten-day period November 21-30, 1955, is not available and has been taken as 5,000 cusecs on an *ad-hoc* basis.

With the assumptions described above, averages have been worked out for five years from 1952 to 1956.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

(25) Bhima at Chaskaman (Maharashtra) :

A. Same as for (1) above ; the river bed is stated to be not erodible at this site.

B. Data for annual yield are available from 1906 to 1925-26. The figures from 1906 to 1919 are for seven months only from June to December. The values for the months of January to May being negligible have been assumed as nil. With this assumption, averages have been worked out for 20 years.

(26) Bhima at Dhond (Maharashtra) :

A. Only hot weather discharges were observed as per (1) above ; the river bed is stated to be not erodible.

B. Data are available only from December to May for the years 1955-56, 1958-59, 1959-60, and 1960-61, with the following exceptions :—

- (i) Data for the ten-day period December 1-10 of the years 1958 and 1959 are not available and have been taken as equal to the average for the remaining two years.
- (ii) Data for the ten-day periods December 11-20 and 21-31, 1959, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining three years.
- (iii) The figure for the ten-day period May 21-31, 1956, is not available and has been assumed on an *ad-hoc* basis.
- (iv) The figure for the ten-day period May 21-31, 1960, is not available and has been taken as nil.

With the assumptions described above, averages have been worked out for four years. The mean discharges have been worked out from the morning (6 A. M.) observations only.

(27) *Bhima at Yadgir (Mysore)* :

A. The discharges were calculated by the slope-area method adopting a uniform surface slope of 3.0 feet per mile and values of $N(k)$ as follows :

<u>R.L.</u>		<u>R.L.</u>		<u>$N(k)$</u>
from 1148	to	1184		0.035
from 1184	to	1194		0.030

Cross-sectional areas and wetted perimeters for various gauge readings were taken from a table based on a cross-section observed initially, about 500 ft. below the bridge at the site. The reference gauge is on the upstream side of the bridge piers on the left side. The site is stated to be erodible in parts.

B. Data are available only from July 1957 to March 1959. No averages have been worked out.

(28) Bhama (Bhima) at Waki (Maharashtra) :

- A.** Same as for (1) above ; the river bed at the site is stated to be erodible.
- B.** Data are available for the period from June 1949 to July 1959. with the following exceptions :—
- (i) Data for the ten-day periods from December 1-10 to 21-31, 1953, are not available and have been assumed on the basis of data for earlier and later ten-day periods of the same year.
 - (ii) Data for the ten-day periods from March 1-10 to April 21-30, 1954, and from April 1-10 to May 21-31 of the years 1952 and 1957 are not available and have been taken as nil

With the assumptions described above, averages have been worked out for nine years, from June 1949 to May 1959.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(29) Kudil (Bhima) at Wadivale (Maharashtra) :

- A.** Same as for (1) above ; the river bed is stated to be erodible at this site.
- B.** Data are available for the period from June 1949 to October 1959, with the following exceptions :—
- (i) Data for the ten-day periods from July 1-10 to 21-31, 1958, and from September 1-10 to October 1-10, 1959, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the respective year.
 - (ii) Data for ten-day periods from November 1-10 to 21-30 of the years 1958 and 1959 ; December 21-31, 1958 ; from December 1-10 to 21-31, 1959 ; January 1-10 and 11-20, 1950 ; from January 1-10 to 21-31 of the years 1959 and 1960 ; from February 1-10 to March 21-31, 1960 ; from April 1-10 to 21-30 of the years 1955 and 1960 and from May 1-10 to 21-31 of the years 1955 and 1960 are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining years.

With the assumptions described above, averages have been worked out for nine years, omitting 1955-56 and 1956-57 for which data are not available.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(30) Vel (Bhima) at Shikrapur (Maharashtra):

- A.** Same as for (1) above ; the river bed is stated to be erodible at this site.
- B.** Data are available for the period June 1949 to May 1961, with the following exceptions :
- (i) Data for the ten-day periods from January 1-10 to March 21-31, 1953, and from January 1-10 to May 21-31, 1955, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining years.
 - (ii) Data for the period from June 1955 to April 1956 are not available ; the year 1955-56 has, therefore, not been considered for calculating the averages.

With the above assumptions, averages have been worked out for 11 years.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(31) Mula-Mutha (Bhima) at Pimpalgaon Rahu (Maharashtra) :

- A.** Same as for (26) above, the river bed is stated to be erodible at this site.
- B.** Irregular data are available only for the months from January to May for the years 1950 to 1959. With the assumptions described below, averages have been worked out for five years :

- (i) Data for the ten-day periods from April 1-10 to May 21-31, 1952, are not available and have been assumed on the basis of figures for earlier periods in the same year.
- (ii) Data for the ten-day periods from May 1-10 to 21-31, 1954 are not available and have been assumed as nil on the basis of figures for earlier periods in the same year.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(32) Mula (Bhima) at Mulshi Dam (Maharashtra) :

- A.** The discharge at this site is calculated from the inflows into the reservoir and the draw-offs for power generation from the lake. The 'content table' gives inflow into the lake corresponding to the daily gauge readings.
- B.** Monthly figures only are available from June 1930 to May 1961 and 31 years' averages have been worked out.

(33) Mutha (Bhima) at Kadakwasla (Maharashtra):

- A.** From the daily water-levels observed in the lake, the contents of the lake are determined by referring to the 'content table'. Discharges through various sluices in the dam, leakage and other losses etc., for every day, are recorded in a statement. From these, the discharges at this site are worked out.
- B.** Data are available for the period from June 1946 to May 1961 except that some figures for the months of June, July, October, November, March, April and May are not available. These have been assumed as nil and averages have been worked out for 15 years, June 1946 to May 1961.

(34) Ghod (Bhima) at Nirgudsar (Maharashtra) :

- A.** Same as for (1) above ; the river bed at the site is stated to be not erodible.
- B.** Data are available only for the months June to December from 1906 to 1927, except that data for the ten-day periods from June 1-10 to 21-30, 1908 are not

available. The mean discharge for these ten-day periods have been taken as equal to the respective average for the remaining 4 years ending with 1911. With this assumption, averages have been worked out for 21 years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(35) Mina (Bhima) at Wadgaon (Maharashtra):

- A. Same as for (1) above ; the river bed at the site is stated to be not erodible.
- B. Data are available only for the months from June to December for the years 1904 to 1912 and from 1917 to 1924 and for all months from January 1947 to May 1961, with the following exceptions :—
- (i) Data are not available for the ten-day periods from June 1-10 to 21-30, 1905 ; June 1-10, 1906 ; June 1-10 and 11-20, 1907; from June 1-10 to 21-30, 1908; from November 1-10 to 21-30, 1922; from June 1-10 to 21-30, 1923; from December 1-10 to 21-31, 1923 and from February 1-10 to 21-28, 1957. The mean discharges for these periods have been assumed as nil.
 - (ii) The figure for the ten-day period October 1-10, 1923, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
 - (iii) Data for the ten-day periods from January 1-10 to February 21-28, 1951, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 12 years (1948 to 1961).

With the above assumptions, averages have been worked out for 17 years for the months from June to December only and for 12 years for the year as a whole.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(36.) Kukdi (Ghod) at Edgaon (Maharashtra).

- A. Generally same as for (1) above, the condition of the river bed is not known.
- B. Data for annual yield only are available from 1906 to 1925-26. Averages have been worked out for 20 years.

(37) Hanga (Ghod) at Visapur (Maharashtra) ;

A. Same as for (32) above.

B. Data are available for the period December 1949 to May 1961, except that the data for the ten-day periods from January 11-20 to May 21-31, 1953, are not available. These have been taken as nil. With this assumption, and omitting the year 1953-54, for which also data are not available, averages have been worked out for 10 years.

(38) Nira (Bhima) at Natambi (Maharashtra):

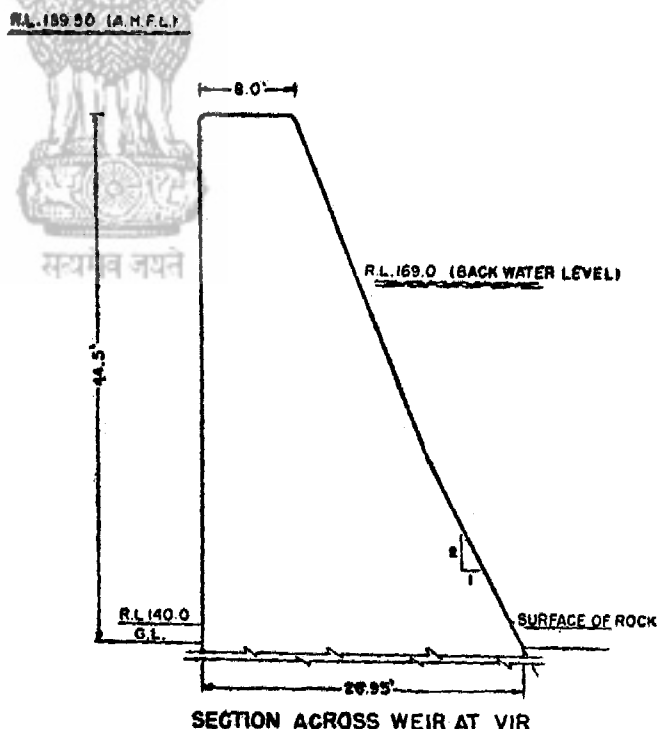
A. Same as for (1) above ; the river bed at the site is stated to be not erodible.

B. Data for annual yield only are available from 1906 to 1925-26. The figures for the period from 1906 to 1919 are for seven months only from June to December. The values for the months of January to May are negligible and have been assumed as nil. With this assumption, averages have been worked out for 20 years.

(39) Nira (Bhima) at Vir (Maharashtra) :

A. The discharges are based on the flows over the weir (calculated by the

formula $Q=3.09 LH^{3/2}$) and the withdrawals in the sluices. Generally, free-fall conditions occur at the weir. The cross-section of the weir is shown in Figure 4.



- B.** Data are available for the period from June 1942 to May 1961, except that the data for the ten-day periods from December 1-10 to 21-31, 1942, and from April 1-10 to 21-30, 1943, are not available. The mean discharges for these ten-day periods have been taken as equal to the respective averages for the remaining eight years ending with May 1951. With this assumption, averages have been worked out for 19 years, June 1942 to May 1961.

(40) Nira (Bhima) at Sarati (Maharashtra):

- A.** Same as for (1) above ; the river bed is, however, stated to be erodible.
- B.** Irregular data for the months January to May are available for a few years in the period 1949-60. Averages have been worked for three years for which data are available for all the five months.

The mean discharges have been worked out from the morning (6. A.M.) observation only.

(41) Nira (Bhima) at Narasingpur (Maharashtra) :

- A.** Same as for (26) above ; the river bed is stated to be stable and inerodible

Irregular data for the months January to May are available for the years 1950 to 1959. Averages have been worked out for three years with the following assumptions:—

- (i) The figure for January 21-31, 1952 is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
- (ii) The figure for January 1-10, 1955, is not available and has been taken as equal to the average for the remaining two years (1952 and 1953).

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(42) Yelwandi (Nira-Bhima) at Bhatghar (Maharashtra) :

- A.** Same as for (33) above.

- B.** Data are available for the period from June 1941 to May 1961 except that data for the ten-day periods from December 1-10 to May 21-31, 1958-59, are not available. The mean discharge for each of these ten-day periods has been taken as equal to the respective average for the remaining nine years ending May 1961. With this assumption averages have been worked out for 20 years, June 1941 to May 1961.

(43) Gunjawani (Nira) at Mohri (Maharashtra) :

- A.** Same as for (1) above, the river bed is stated to be not erodible at this site.
- B.** Data for annual yield are available from 1906 to 1925-26. The figures from 1906 to 1919 are for seven months from June to December. The values for the months from January to May have been assumed as nil. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st May to 30th April. The position regarding figures for 1920 and 1921 is not clear. With this assumption, averages have been worked out for 20 years.

(44) Sina (Bhima) at Hatwalan (Maharashtra) :

- A.** Same as for (1) above ; the river bed is stated to be not erodible at this site.
- B.** Data are available for the period from June 1902 to May 1916 and from June 1948 to May 1960, with the following exceptions :—

- (i) Data are not available for the ten-day periods from January 1-10 to May 21-31 of 1908 and 1912 to 1916, from September 1-10 to 21-30, 1912, from May 1-10 to 21-31 and July 21-31, 1949, from February 1-10 to May 21-31, 1951, from March 1-10 to May 21-31, 1952, from January 1-10 to May, 21-31, 1953, June 1-10, 1954, and from April 1-10 to May 21-31, 1958. These have been taken as nil.
- (ii) Data for the ten-day periods from January 1-10 to 21-31, 1950, from December 1-10 to 21-31, 1954, and from February 1-10 to 21-28, 1958, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the year to which they relate.

- (iii) The years 1904-05, 1905-06, 1908-09, 1953-54 and 1958-59 have not been considered for calculating the averages as data for a number of months are not available in each of these years.

With the above assumptions, averages have been worked out for 21 years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(45) Sina (Bhima) at Wadakbal (Maharashtra) :

- A.** Same as for (26) above ; the river bed is, however, stated to be erodible.
- B.** Data are available only for the months from January to May for the years 1952, 1953, 1958, 1959 and 1960, with the following exceptions :
- (i) Data for the ten-day periods January 1-10, 1953, and January 1-10 and 11-20, 1959, are not available and have been assumed on the basis of figures for later ten-day periods in the year concerned.
 - (ii) Data for the ten-day periods from January 1-10 to 21-31, 1961, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining four years
 - (iii) Data for the ten-day periods from May 1-10 to 21-31, 1954, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.

With the assumptions described above, averages have been worked out for five years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(46) Ekruk Nalla (Sina) at Ekruk (Maharashtra) :

- A.** Same as for (33) above.
- B.** Data are available for the period from May 1944 to May 1961. Averages have been worked out for 17 years, June 1944 to May 1961.

(47) *Tungabhadra at Hallur (Mysore) :*

A. Same as for (17) above.

B. Data are available for the period from January, 1951 to May 1955, except that for the ten-day period, May 21-31, 1955, which has been assumed on the basis of figures for earlier ten-day periods in the same year. With this assumption, averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(48) *Tungabhadra at Harihar (Mysore) :*

A. Same as for (17) above.

B. Data are available for the period from November, 1950 to October 1955. Averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

(49) *Tungabhadra at Havanur (Mysore) :*

A. Same as for (17) above. About half the river is stated to be erodible and the rest rocky and not erodible.

B. Data are available for the period from November, 1950, to October 1955. Averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(50) *Tungabhadra at Hesrur (Mysore) :*

A. Same as for (17) above.

B. Data are available for the period from November 1950 to October 1954, except that for the ten-day periods July 1-10 and 11-20, 1952, and from October 1-10 to 21-31, 1951. These have been assumed on the basis of figures for earlier

and later ten-day periods. With this assumption, averages have been worked out for three years from June 1951 to May 1954.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(51) Tungabhadra at Tungabhadra Dam (Mysore) :

- A. Prior to the construction of the Tungabhadra Dam at Mallapuram across Tungabhadra, the flow in Tungabhadra was determined at the Vallabhapur-Koregal site, about seven miles upstream of Mallapuram. At this site, there were two anicuts separated by an island; the zigzag 1,690 feet long Koregal anicut on the left flank of the island and the 1,150 feet long straight Vallabhapur anicut on the right, both being oblique to the axis of the river. Due to the peculiar features of the anicut, the usual formulae for calculating overflow over the weir were not considered to be appropriate. To get at a correct and reliable assessment of the discharge at this site, the then Mysore, Madras and Hyderabad Governments, during the period 1935-36 and 1936-37, jointly conducted current meter observations* at Mutkur village, about 8 miles upstream of the anicuts, and correlated the anicut gauges with the gauges at Mutkur. Two independent discharge tables were established one for the gauge at the Vallabhapur anicut and the other for the Koregal anicut gauge by reference to the gauge calibration curve at Mutkur. The average between these two sets of discharges at any given time was taken as representing the discharge over the two anicuts. The discharges past these anicuts for the years for which gauge readings were available were derived from the jointly accepted table of discharges.

Since the construction of the Tungabhadra dam, the Vallabhapur-Koregal anicuts have been submerged and the discharge at the dam site is calculated from the inflow into the reservoir, based on capacity table, and the outflow through various sluices in the dam.

- B. Monthly data only are available for the period from June 1931 to May 1941. Daily data are available for the period from February 1950 to May 1961,

* The current meter observations were made from platforms constructed on coracles (8 feet to 11 feet diameter and suitably placed so as not to interfere with free flow of water). The current meters were cable-suspended, with fish-weights of 30 lbs.

except for the data relating to the ten-day periods from April 1-10 to June 21-30, 1953. For these periods, the mean discharge has been taken as equal to the respective average for the remaining ten years ending May 1961. With this assumption, averages have been worked out separately for 10 and 11 years.

(52) Tungabhadra at Rajolibanda (Mysore) :

- A. The discharge at this site is the sum total of the quantity let down through various sluices and the flow over the anicut, calculated by the formula $Q=3.5LH^{3/2}$

The section of the weir is shown in Figure 5 opposite. The conditions of flows over the weir are always free-fall.

- B. Data are available only from July 1960 to May 1961. No averages have been worked out.

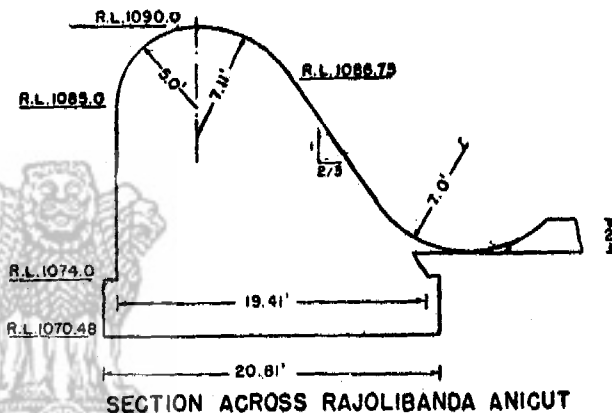


Figure 5

(53) Tungabhadra at Sunkesala (Andhra Pradesh) :

- A. Daily discharge is the sum of the discharges over the anicut and through the under-sluices and the headsluices corresponding to the gauge reading recorded.

The discharge over the anicut is the sum of discharges passing over the two sections of the anicut. The south anicut is zigzag while the north anicut is more or less straight and both the anicuts are oblique to the current. The total oblique lengths of the south and north anicuts are 3,986 feet (at a crest level of R.L. 944.81) and 319 feet (at a crest level of R.L. 947.81) respectively.

Prior to April 1916, the discharge over the anicut was calculated by the formula $Q=3.1 LH^{3/2}$ (L being the oblique length), neglecting the velocity of approach.

From April 1916 to March 1920, the formula used was

$$Q=3.1L [(H+ha)^{3/2} - ha^{3/2}]$$

wherein ha was obtained from the equation

$$3.1L [(H+\frac{h}{a})^{3/2} - \frac{h}{a}^{3/2}] = L(D+H) \sqrt{a};$$

the value of D , or mean depth of the river below the crest level of anicut was taken as 4.4 feet and 4.2 feet for the south and north anicuts respectively. L was taken as the oblique length of the anicut.

For the year 1920-21, the value of D in the above equation was taken as 2.39 feet for both the anicuts, and from 1921 to March 1936, the value of D was taken as 2.4 feet. From 1920, the value of L was taken as 2,130 feet and 900 feet for the south and north branches respectively, equal to their lengths perpendicular to the axis of the river.

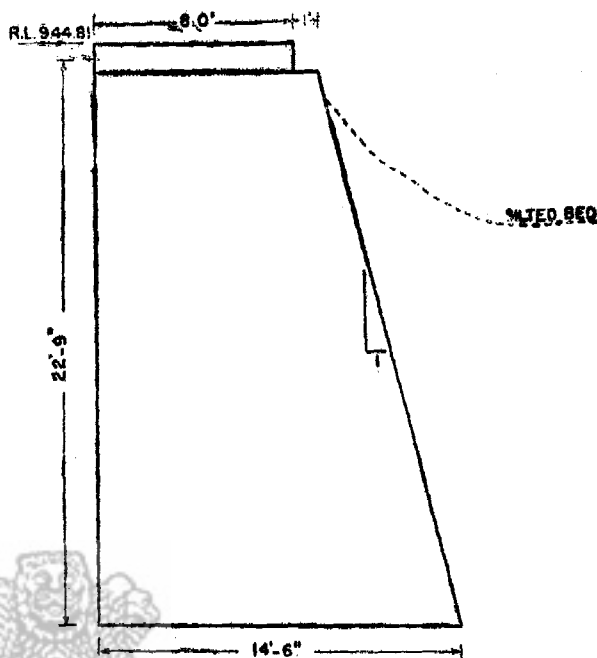
Since April 1936, the discharges over the anicut are computed from a table of discharges, prepared from calibration curves based on the 1936-37 current meter gaugings** conducted jointly by the then Madras, Mysore and Hyderabad Governments*

The draw-offs through the sluices were computed from the table of discharges based on the inter-state gaugings of 1935-36; current meter gaugings were again conducted in 1956-57 to 1958-59 and a fresh table of discharges has been prepared and is being used from 1958-59.

-
- ** The current meter observations were made at Bavapuram, 9 miles below Sunkesula anicut, from platforms constructed on coracles. The gauge at Bavapuram was calibrated and correlated to the upstream gauge at Sunkesula anicut.
- * Three feet high automatic falling shutters are being fixed over the crest of the anicut. At places where the shutters cannot be fitted, three feet high masonry walls are built; the total length of such walls is about 200 feet, the length of the anicut perpendicular to the axis of the river being 3,030 feet. It is reported that the upstream gauge will be recalibrated taking note of the afflux due to the masonry portion added over the crest of the anicut.

The reference gauge is in a well on the right upstream abutment of the anicut. The cross-section of the anicut is shown in *Figure 6*.

B. Data are available for the period from June 1904 to May 1961. Based on the method of estimation, as stated below, the data have been divided into three parts; from June 1904 to May 1936 from June 1936, to May 1952 and from June 1953 to May 1961 and averages have been worked out accordingly.



SECTION ACROSS SUNKESULA ANICUT

Figure 6

- (i) The discharges for the period upto March 1936 have been calculated on the basis of empirical formulae.
 - (ii) The discharges for the period from April 1936 to May 1961 have been computed from gauge-discharge curves based on the joint gaugings of 1936-37.
 - (iii) Since 1953, with the coming into operation of the Tungabhadra Dam the flow at Sunkesula is regulated flow.
- (54) Tunga (Tungabhadra) at Tunga anicut (Mysore) :

A. The discharges at Sacrebyle, a mile upstream of the present Tunga anicut, were based on current meter observations ; no other particulars are available. Since the construction of the Tunga anicut, which has submerged the Sacrebyle site, the discharge at Tunga anicut is taken as the sum of the flow over the anicut and that passed through the sluices. The discharge over the anicut is calculated by taking the coefficient C as 4.12 for the Ogee portion and 3.1 for the broad-est red portion in the formula $Q = CLH^{3/2}$. The sections of the anicut are

(vil)

shown in *Figure 7*. The conditions of flow over the anicut are free-flow.

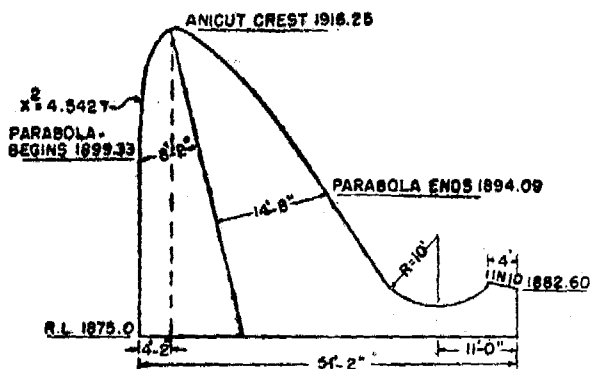
- B. Data are available for the period from January 1946 to June 1955 and from July 1958 to May 1961, with the exception of figures for some ten-day periods which have been taken as equal to the respective average for those periods for the remaining years. With this assumption, averages have been worked out for ten years.

(55) Bhadra (Tungabhadra) at Lakkavalli (Mysore) :

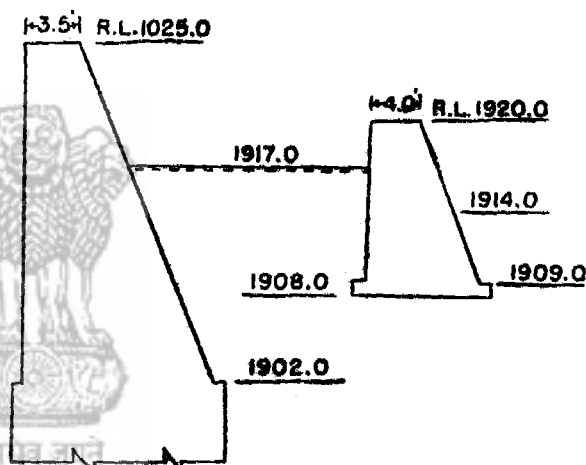
- A. Daily discharges were computed on the basis of a gauge-discharge table calibrated for this site ; no particulars are available of the method of calibration. Since the construction of the Lakkavalli dam, the discharges are computed from the inflows into the reservoir, read from capacity table, corresponding to daily gauge readings.

- B. Data are available for the period June 1930 to May 1961, with the following exceptions :

- (i) Data for the ten-day periods from March 1-10, to June 21-30, 1959, from February 21-29 to June 21-30, 1960, and from January 1-10 to May 21-31, 1961, are not available, the flow being below zero of the gauge. An *ad-hoc* figure has been assumed for each ten-day period.



SECTION ACROSS TUNGA ANICUT-OGGEE PORTION



SECTION ACROSS TUNGA ANICUT
(BROAD CRESTED PORTION)

Figure 7

- (ii) Data for the ten-day periods from April 1-10 to May 11-20, 1957, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.

With the assumptions described above, averages have been worked out for 31 years, June 1930 to May 1961.

The river flow at Lakkavalli was regulated from the reservoir for the following periods :

- (i) 27th June 1958 to 28th February 1959.
- (ii) 30th June 1959 to 20th February 1960
- (iii) 5th July 1960 to 4th January 1961.

(56) *Bhadra (Tungabhadra) at Bhadra anicut (Mysore) :*

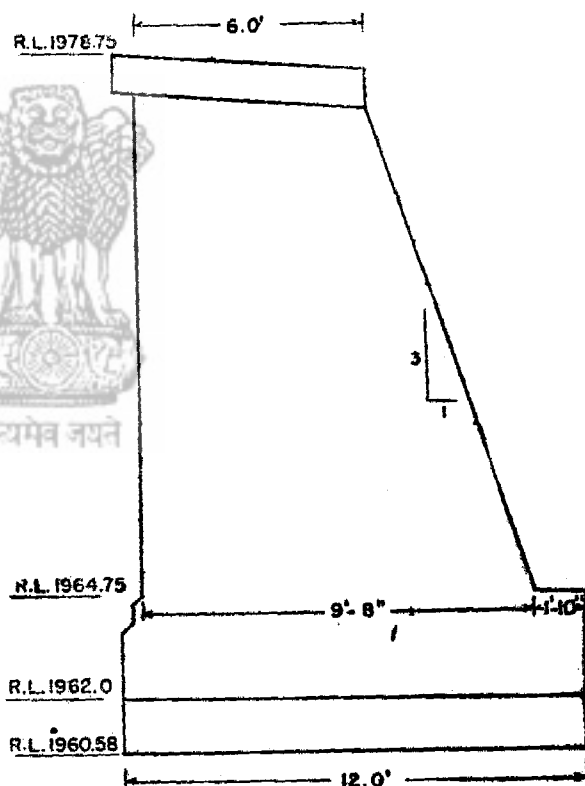
- A. The recorded discharge is the sum of the flow over the anicut and the draw-offs through the sluices. The discharge over the weir is calculated by the formula
- $$Q = 3.1L [(H + h_a)^{3/2} - h_a^{3/2}]$$
- assuming the velocity of approach as 3 feet per second. Generally freefall conditions occur at the weir. The cross-section of the anicut is shown in Figure 8.

- B. Irregular data are available for the period from May 1947 to September 1954. No averages have been worked out.

(57) *Varada (Tungabhadra) at Banavasi (Mysore).*

- A. Same as for (17) above.

- B. Data for annual yield only are available from 1908 to 1925-26. Averages have been worked out for 18 years.



SECTION ACROSS BHADRA ANICUT

Figure 8.

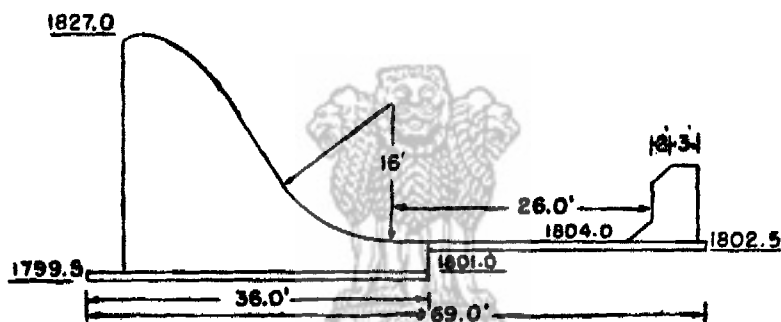
(58) Hagari (Tungabhadra) at Vani Vilas Sagar (Mysore) :

A. Same as for (33) above.

B. Data for only seasonal (January to June and July to December) yields are available from July 1913 to December 1960. Averages have been worked out for 47 years:

(59) Hagari (Tungabhadra) at Naranapur Anicut (Mysore) :

A. Daily discharges are computed from the weir discharges, calculated by the formula $Q=3.98 LH^{3/2}$, and the draws-offs through the sluices. Generally, clear overfall conditions occur at the weir. The cross-section of the anicut is shown in Figure 9 below.



SECTION ACROSS NARANAPUR ANICUT

Figure 9.

B. Data are available only for the period February, 1960 to May 1961. No averages have been worked out.

(60) Hagari at Bhairavanithippa (Andhra Pradesh)

A. Same as for (33) above.

B. Data are available for the period from January 1957 to May 1961, except for ten-day periods from November 1-10 to 21-30, 1958. The mean discharges for these ten-day periods have been taken as equal to the respective averages for the remaining three years. With this assumption, averages have been worked out for four years from June 1957 to May 1961.

61. Dindi at Gundlapalli Dam (Andhra Pradesh) :

A. Same as for (33) above.

B. Data are available for the period from June 1958 to May 1961. Averages have been worked out for three years.

(62) Palleru at Paleru (Andhra Pradesh) :

A. Same as for (33) above.

B. Data are available for the period from June 1958 to May 1961. Averages have been worked out for three years.



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	Nil	200	438	213	0.013	0.6
08-09 . . .	Nil	42	62	35	0.002	0.1
09-10 . . .	Nil	150	1,056	402	0.024	1.0
10-11 . . .	Nil	Nil	1,870	623	0.037	1.6
1911-12 . . .	30	1,663	608	767	0.046	2.0
12-13 . . .	2	1	311	105	0.006	0.3
13-14 . . .	1,120	4,410	5,276	3,602	0.214	9.3
14-15 . . .	4	4	412	140	0.008	0.4
15-16 . . .	Nil	Nil	4,302	1,434	0.085	3.7
1916-17 . . .	Nil	300	1,576	625	0.037	1.6
17-18 . . .	6	326	1,629	654	0.039	1.7
18-19 . . .	93	25	98	072	0.004	0.2
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<i>105</i>	<i>593</i>	<i>1,470</i>	<i>723</i>	<i>0.043</i>	<i>1.9</i>
1921-22 . . .						
22-23 . . .	Nil	Nil	1,457	486	0.029	1.3
23-24 . . .	Nil	1	3	1	Nil	Nil
24-25 . . .	3	13	58	25	0.001	0.1
25-26 . . .	106	36	983	375	0.022	1.0
1926-27 . . .	1	1	1	1	Nil	Nil
<i>5 Years' Average</i>	<i>22</i>	<i>10</i>	<i>500</i>	<i>178</i>	<i>0.011</i>	<i>0.5</i>
17 Years' Average	80	422	1,185	562	0.033	1.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River KRISHNA

Site DHOM

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	206	105	6,698	2,477	0.152	6.6
08-09 . . .	3,685	7,375	6,124	5,741	0.353	15.4
09-10 . . .	2,796	7,456	6,241	5,521	0.339	14.8
10-11 . . .	7,573	1,547	662	3,177	0.195	8.5
1911-12 . . .	1,003	4,237	894	2,045	0.126	5.5
12-13 . . .	1,098	3,684	15,660	7,100	0.437	19.0
13-14 . . .	1,928	4,496	5,713	4,100	0.252	11.0
14-15 . . .	2,932	9,366	10,974	7,861	0.483	21.1
15-16 . . .	4,014	594	6,106	3,653	0.225	9.8
1916-17 . . .	504	634	1,608	938	0.058	2.5
17-18 . . .	1,396	834	2,399	1,571	0.097	4.2
18-19 . . .	671	120	274	352	0.022	0.9
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<i>2,317</i>	<i>3,371</i>	<i>5,279</i>	<i>3,711</i>	<i>0.228</i>	<i>9.9</i>
1921-22 . . .						
22-23 . . .	2,853	1,401	5,434	3,301	0.203	8.8
23-24 . . .	258	3,985	5,053	3,161	0.194	8.5
24-25 . . .	177	1,789	2,836	1,640	0.101	4.4
25-26 . . .	786	4,007	2,201	2,327	0.143	6.2
1926-27 . . .	2,818	597	2,361	1,939	0.119	5.2
<i>5 Years' Average</i>	<i>1,378</i>	<i>2,356</i>	<i>3,577</i>	<i>2,474</i>	<i>0.152</i>	<i>6.6</i>
17 Years' Average	2,041	3,072	4,779	3,347	0.206	9.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	6,236	7,656	3,687	5,790	0.356	15.5
08-09 . . .	8,464	4,228	4,522	5,699	0.350	15.3
09-10 . . .	3,010	521	305	1,247	0.077	3.3
10-11 . . .	9,744	5,454	4,682	6,564	0.404	17.6
1911-12 . . .	4,403	2,277	2,324	2,706	0.166	7.2
12-13 . . .	7,459	3,778	1,475	4,148	0.255	11.1
13-14 . . .	4,287	870	1,268	2,113	0.130	5.7
14-15 . . .	10,791	2,092	3,668	5,457	0.336	14.6
15-16 . . .	6,848	1,393	1,539	3,204	0.197	8.6
1916-17 . . .	3,868	4,566	1,430	3,228	0.198	8.6
17-18 . . .	1,747	1,240	2,217	1,750	0.108	4.7
18-19 . . .	1,627	1,301	1,626	1,521	0.094	4.1
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>5,707</u>	<u>2,948</u>	<u>2,395</u>	<u>3,619</u>	<u>0.223</u>	<u>9.7.</u>
1921-22 . . .						
22-23 . . .	1,597	1,447	1,224	1,416	0.087	3.8
23-24 . . .	3,688	3,214	1,346	2,704	0.166	7.2
24-25 . . .	2,715	841	4,630	2,790	0.172	7.5
25-26 . . .	679	683	968	783	0.048	2.1
1926-27 . . .	3,764	4,029	1,261	2,961	0.182	0.8
<i>5 Years' Average</i>	<u>2,489</u>	<u>2,043</u>	<u>1,886</u>	<u>2,131</u>	<u>0.131</u>	<u>5.7</u>
17 Years' Average	4,760	2,682	2,245	3,181	0.196	8.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	2,661	1,977	1,445	2,027	0.121	5.3
08-09 . . .	1,769	1,446	2,483	1,899	0.113	4.9
09-10 . . .	720	396	294	470	0.028	1.2
10-11 . . .	3,142	2,383	2,628	2,718	0.162	7.0
1911-12 . . .	2,202	1,154	300	1,219	0.073	3.2
12-13 . . .	1,655	452	177	761	0.045	2.0
13-14 . . .	2,392	472	434	1,099	0.065	2.8
14-15 . . .	792	3,435	1,501	1,910	0.114	5.0
15-16 . . .	2,145	1,303	2,144	1,864	0.111	4.8
1916-17 . . .	718	1,530	899	1,049	0.062	2.7
17-18 . . .	2,393	719	597	1,236	0.074	3.2
18-19 . . .	872	303	142	439	0.026	1.1
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<i>1,788</i>	<i>1,298</i>	<i>1,087</i>	<i>1391</i>	<i>0.083</i>	<i>3.6</i>
1921-22 . . .						
22-23 . . .	829	796	466	697	0.041	1.8
23-24 . . .	267	194	1,149	537	0.032	1.4
24-25 . . .	1,481	476	289	749	0.045	1.9
25-26 . . .	434	237	234	302	0.018	0.8
1926-27 . . .	952	1,625	371	982	0.058	2.5
<i>5 Years' Average</i>	<i>793</i>	<i>666</i>	<i>502</i>	<i>653</i>	<i>0.039</i>	<i>1.7</i>
17 Years' Average	1,496	1,112	915	1,174	0.070	3.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	1,728	1,135	(500)	1,101	0.068	2.9
08-09 . . .	856	553	343	576	0.035	1.5
09-10 . . .	223	139	82	146	0.009	0.4
10-11 . . .	4,760	1,512	752	2,290	0.141	6.1
1911-12 . . .	29	19	15	21	0.001	0.1
12-13 . . .	642	507	476	540	0.033	1.4
13-14 . . .	193	250	111	183	0.011	0.5
14-15 . . .	580	292	149	334	0.021	0.9
15-16 . . .	1,216	494	261	644	0.040	1.7
1916-17 . . .	371	244	342	320	0.020	0.9
17-18 . . .	838	353	320	498	0.031	1.3
18-19 . . .	43	32	11	31	0.002	0.1
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<i>957</i>	<i>461</i>	<i>280</i>	<i>557</i>	<i>0.034</i>	<i>1.5</i>
1921-22 . . .						
22-23 . . .	126	98	55	92	0.006	0.2
23-24 . . .	99	48	29	58	0.004	0.2
24-25 . . .	249	167	90	166	0.010	0.4
25-26 . . .	143	81	21	80	0.005	0.2
1926-27 . . .	116	78	53	81	0.005	0.2
<i>5 Years' Average</i>	<i>147</i>	<i>94</i>	<i>50</i>	<i>95</i>	<i>0.006</i>	<i>0.3</i>
17 Years' Average	718	353	212	421	0.026	1.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1.10</i>	<i>11.20</i>	<i>21.30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	(100)	(40)	10	(50)	(0.003)	(0.1)
08-09 . . .	262	76	17	118	0.007	0.3
09-10 . . .	60	33	20	37	0.002	0.1
10-11 . . .	423	101	38	188	0.011	0.5
1911-12 . . .	8	14	17	13	0.001	Nil
12-13 . . .	156	116	547	273	0.016	0.7
13-14 . . .	85	60	44	63	0.004	0.2
14-15 . . .	111	105	62	93	0.006	0.2
15-16 . . .	118	25	127	90	0.005	0.2
1916-17 . . .	456	216	141	271	0.016	0.7
17-18 . . .	154	60	63	92	0.005	0.2
18-19 . . .	12	18	8	13	0.001	Nil
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>162</u>	<u>72</u>	<u>91</u>	<u>108</u>	<u>0.006</u>	<u>0.3</u>
1921-22 . . .						
22-23 . . .	306	495	64	288	0.017	0.7
23-24 . . .	17	9	6	11	0.001	Nil
24-25 . . .	54	38	16	36	0.002	0.1
25-26 . . .	13	16	9	13	0.001	Nil
1926-27 . . .	37	32	19	29	0.002	0.1
<i>5 Years' Average</i>	<u>85</u>	<u>118</u>	<u>23</u>	<u>75</u>	<u>0.004</u>	<u>0.2</u>
<i>17 Years' Average</i>	<u>140</u>	<u>86</u>	<u>71</u>	<u>99</u>	<u>0.006</u>	<u>0.2</u>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	11	10	10	10	0.001	Nil
08-09 . . .	17	16	16	16	0.001	Nil
09-10 . . .	20	20	19	20	0.001	0.1
10-11 . . .	32	33	33	33	0.002	0.1
1911-12 . . .	17	11	7	12	0.001	Nil
12-13 . . .	128	74	36	78	0.005	0.2
13-14 . . .	30	24	19	24	0.001	0.1
14-15 . . .	45	36	30	35	0.002	0.1
15-16 . . .	23	17	14	18	0.001	Nil
1916-17 . . .	25	22	19	22	0.001	0.1
17-18 . . .	39	30	24	31	0.002	0.1
18-19 . . .	10	7	4	7	Nil	Nil
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>33</u>	<u>25</u>	<u>19</u>	<u>25</u>	<u>0.002</u>	<u>0.1</u>
1921-22 . . .						
22-23 . . .	59	32	21	37	0.002	0.1
23-24 . . .	7	7	6	7	Nil	Nil
24-25 . . .	14	12	11	12	0.001	Nil
25-26 . . .	6	4	3	4	Nil	Nil
1926-27 . . .	13	10	9	11	0.001	Nil
<i>5 Years' Average</i>	<u>20</u>	<u>13</u>	<u>10</u>	<u>14</u>	<u>0.001</u>	<u>Nil</u>
17 Years' Average	29	21	17	22	0.001	0.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	Nil	Nil	Nil	Nil	Nil	Nil
08-09 . . .	"	"	"	"	"	"
09-10 . . .	"	"	"	"	"	"
10-11 . . .	35	37	34	35	0.002	0 1
1911-12 . . .	6	6	5	6	Nil	Nil
12-13 . . .	27	24	11	20	0.001	0.1
13-14 . . .	5	5	4	5	Nil	Nil
14-15 . . .	Nil	Nil	Nil	Nil	"	"
15-16 . . .	"	"	"	"	"	"
1916-17 . . .	Nil	Nil	Nil	Nil	Nil	Nil
17-18 . . .	"	"	"	"	"	"
18-19 . . .	(7)	(7)	(5)	(6)	(,,)	(,,)
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>7</u>	<u>7</u>	<u>5</u>	<u>6</u>	<u>Nil</u>	<u>Nil</u>
1921-22* . . .	12	9	9	10	0.001	Nil
22-23 . . .	Nil	Nil	Nil	Nil	Nil	"
23-24 . . .	6	6	5	6	"	"
24-25 . . .	10	8	7	8	"	"
25-26 . . .	2	2	2	2	"	"
1926-27 . . .	8	7	6	7	Nil	Nil
<i>5 Years' Average</i>	<u>5</u>	<u>5</u>	<u>4</u>	<u>5</u>	<u>Nil</u>	<u>Nil</u>
<i>17 Years' Average</i>	<u>6</u>	<u>6</u>	<u>5</u>	<u>6</u>	<u>Nil</u>	<u>Nil</u>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	Nil	Nil	Nil	Nil	Nil	Nil
08-09 . . .	"	"	"	"	"	"
09-10 . . .	"	"	"	"	"	"
10-11 . . .	33	33	33	33	0.002	0.1
1911-12 . . .	4	4	3	4	Nil	Nil
12-13 . . .	6	7	7	7	"	"
13-14 . . .	4	4	4	4	"	"
14-15 . . .	Nil	Nil	Nil	Nil	"	"
15-16 . . .	"	"	"	"	"	"
1916-17 . . .	Nil	Nil	Nil	Nil	Nil	Nil
17-18 . . .	"	"	"	"	"	"
18-19 . . .	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20 . . .						
20-21 . . .						
12 Years' Average	4	4	4	4	Nil	Nil
1921-22* . . .	9	8	8	8	Nil	Nil
22-23 . . .	Nil	Nil	Nil	Nil	"	"
23-24 . . .	5	5	5	5	"	"
24-25 . . .	7	6	6	6	"	"
25-26 . . .	2	2	2	2	"	"
1926-27 . . .	6	6	6	6	Nil	Nil
5 Years' Average	4	4	4	4	Nil	Nil
17 Years' Average	4	4	4	4	Nil	Nil

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1906-07 . . .						
07-08 . . .	Nil	Nil	Nil	Nil	Nil	Nil
08-09 . . .	"	"	"	"	"	"
09-10 . . .	"	"	"	"	"	"
10-11 . . .	33	33	33	33	0.002	0.1
1911-12 . . .	2	2	2	2	Nil	Nil
12-13 . . .	6	5	5	5	"	"
13-14 . . .	3	3	Nil	2	"	"
14-15 . . .	Nil	Nil	"	Nil	"	"
15-16 . . .	"	"	"	"	"	"
1916-17 . . .	Nil	Nil	Nil	Nil	Nil	Nil
17-18 . . .	"	"	"	"	"	"
18-19 . . .	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>Nil</u>	<u>Nil</u>
1921-22* . . .	7	8	7	7	Nil	Nil
22-23 . . .	Nil	Nil	Nil	Nil	"	"
23-24 . . .	4	4	4	4	"	"
24-25 . . .	6	5	5	5	"	"
25-26 . . .	2	2	2	2	"	"
1926-27 . . .	5	4	4	4	"	"
<i>5 Years' Average</i>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>Nil</u>	<u>Nil</u>
17 Years' Average	4	4	3	4	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

<i>River</i> KRISHNA	<i>Site</i> DHOM				<i>Month</i> APRIL	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	Nil	Nil	Nil	Nil	Nil	Nil
08-09 . . .	"	"	"	"	"	"
09-10 . . .	"	"	"	"	"	"
10-11 . . .	33	33	33	33	0.002	0.1
1911-12 . . .	2	3	2	2	Nil	Nil
12-13 . . .	4	4	3	4	"	"
13-14 . . .	1	2	2	2	"	"
14-15 . . .	Nil	Nil	Nil	Nil	"	"
15-16 . . .	"	"	"	"	"	"
1916-17 . . .	Nil	Nil	Nil	Nil	Nil	Nil
17-18 . . .	"	"	"	"	"	"
18-19 . . .	(4)	(4)	(4)	(4)	(,)	(,)
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>Nil</u>	<u>Nil</u>
1921-22* . . .	7	7	6	6	Nil	Nil
22-23 . . .	Nil	Nil	Nil	Nil	"	"
23-24 . . .	5	4	3	4	"	"
24-25 . . .	Nil	1	4	2	"	"
25-26 . . .	2	1	1	1	"	"
1926-27 . . .	4	3	3	3	Nil	Nil
<i>5 Years' Average</i>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>Nil</u>	<u>Nil</u>
17 Years' Average	3	3	3	3	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 1

River **KRISHNA**

Site **DHOM**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .						
07-08 . . .	Nil	Nil	Nil	Nil	Nil	Nil
08-09 . . .	"	"	"	"	"	"
09-10 . . .	"	"	"	"	"	"
10-11 . . .	33	34	34	34	0.002	0.1
1911-12 . . .	2	2	2	2	Nil	Nil
12-13 . . .	3	2	2	3	"	"
13-14 . . .	2	2	2	2	"	"
14-15 . . .	Nil	Nil	Nil	Nil	"	"
15-16 . . .	"	"	"	"	"	"
1916-17 . . .	Nil	Nil	Nil	Nil	Nil	Nil
17-18 . . .	"	"	"	"	"	"
18-19 . . .	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20 . . .						
20-21 . . .						
<i>12 Years' Average</i>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>Nil</u>	<u>Nil</u>
1921-22* . . .	6	8	17	11	0.001	Nil
22-23 . . .	5	5	5	5	Nil	"
23-24 . . .	3	3	3	3	"	"
24-25 . . .	4	3	3	3	"	"
25-26 . . .	1	1	1	1	"	"
1926-27 . . .	(3)	(3)	(3)	(3)	Nil	Nil
<i>5 Years' Average</i>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>Nil</u>	<u>Nil</u>
<i>17 Years' Average</i>	<u>4</u>	<u>3</u>	<u>3</u>	<u>4</u>	<u>Nil</u>	<u>Nil</u>

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1948-49 . . .	112	459	65	212	0.013	0.5
49-50 . . .	258	154	515	309	0.018	0.8
50-51* . . .	949	Nil	9	320	0.019	0.8
1951-52 . . .	106	140	3,337	1,194	0.071	3.1
52-53 . . .	3,183	1,285	10,049	4,839	0.288	12.5
53-54 . . .	24	570	8,388	2,994	0.178	7.8
54-55 . . .	881	127	534	514	0.031	1.3
55-56 . . .	1,612	194	4,430	2,078	0.124	5.4
1956-57 . . .	222	208	1,843	758	0.045	2.0
57-58 . . .	248	162	3,941	1,450	0.086	3.8
58-59 . . .	67	549	1,583	733	0.044	1.9
59-60 . . .	141	740	3,395	1,425	0.085	3.7
60-61 . . .	485	200	4,495	1,727	0.103	4.5
12 Years' Average	612	399	3,548	1,519	0.090	3.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	1,380	2,145	10,208	6,141	0.378	16.4
49-50 . . .	459	14,256	3,559	6,009	0.369	16.1
50-51* . . .	243	19,496	7,265	8,946	0.550	24.0
1951-52 . . .	273	206	8,249	3,082	0.190	8.3
52-53 . . .	960	4,774	24,916	10,688	0.657	28.6
53-54 . . .	18,066	6,691	2,118	8,737	0.537	23.4
54-55 . . .	7,356	24,317	2,553	11,123	0.684	29.8
55-56 . . .	9,596	3,582	4,395	5,810	0.357	15.6
1956-57 . . .	19,932	16,130	9,510	15,008	0.923	40.2
57-58 . . .	5,166	18,899	7,190	10,314	0.634	27.6
58-59 . . .	5,659	33,036	10,290	16,134	0.992	43.2
59-60 . . .	27,570	14,777	26,618	23,105	1.421	61.9
60-61 . . .	20,968	2,941	11,952	11,953	0.735	32.0
12 Years' Average	9,782	11,813	10,130	10,675	0.656	28.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River KRISHNA

Site KHODSHI

Month AUGUST

<i>Year (June to May)</i>	<i>Mean discharge (Cusec)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	2,879	15,224	4,919	7,585	0.466	20.3
49-50 . . .	13,982	6,826	9,394	10,045	0.618	26.9
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	11,085	5,574	2,337	6,203	0.381	16.6
52-53 . . .	18,588	6,598	4,954	9,882	0.608	26.5
53-54 . . .	16,755	17,994	6,120	13,381	0.823	35.8
54-55 . . .	14,735	8,892	945	7,957	0.489	21.3
55-56 . . .	5,500	8,110	8,970	7,573	0.466	20.3
1956-57 . . .	26,520	12,568	7,756	15,361	0.945	41.1
57-58 . . .	7,645	7,285	9,924	8,338	0.513	22.3
58-59 . . .	2,867	6,308	10,054	6,527	0.401	17.5
59-60 . . .	14,944	4,894	9,081	9,622	0.592	25.8
60-61 . . .	21,464	13,805	5,995	13,504	0.830	36.2
12 Years' Average	13,080	9,506	6,704	9,665	0.594	25.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	2,079	222	2,838	1,713	0.102	4.4
49-50 . . .	3,470	1,335	7,499	4,101	0.244	10.6
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N A.
1951-52 . . .	310	679	2,026	1,005	0.060	2.6
52-53 . . .	848	229	287	454	0.027	1.2
53-54 . . .	1,321	2,810	868	1,666	0.099	4.3
54-55 . . .	6,595	3,711	1,128	3,811	0.227	9.9
55-56 . . .	14,238	2,784	10,971	9,331	0.555	24.2
1956-57 . . .	3,160	2,516	2,512	2,726	0.162	7.1
57-58 . . .	1,986	5,643	994	2,875	0.171	7.5
58-59 . . .	10,996	4,951	419	5,456	0.325	14.1
59-60 . . .	16,950	4,370	5,794	9,038	0.538	23.4
60-61 . . .	6,145	5,488	9,957	7,197	0.428	18.7
12 Years' Average	5,675	2,895	3,774	4,114	0.245	10.7

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	646	1,329	1,219	1,070	0.066	2.9
49-50 . . .	1,229	675	531	802	0.049	2.1
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	3,018	417	418	1,257	0.077	3.4
52-53 . . .	1,975	2,125	920	1,649	0.101	4.4
53-54 . . .	1,429	1,172	1,150	1,247	0.077	3.3
54-55 . . .	918	1,062	489	812	0.050	2.2
55-56 . . .	17,158	4,671	7,374	9,658	0.594	25.9
1956-57 . . .	10,711	4,741	1,108	5,378	0.331	14.4
57-58 . . .	646	199	8,473	3,279	0.202	8.8
58-59 . . .	1,544	795	154	809	0.050	2.2
59-60 . . .	1,895	1,497	1,004	1,451	0.089	3.9
60-61 . . .	3,018	1,324	704	1,650	0.101	4.4
12 Years' Average	3,682	1,667	1,962	2,422	0.149	6.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48* . . .	N.A.	194	215	208	0.012	0.5
48-49 . . .	3,289	1,702	5,744	3,578	0.213	9.3
49-50 . . .	265	226	287	259	0.015	0.7
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	113	78	237	142	0.008	0.4
52-53 . . .	250	229	185	221	0.013	0.6
53-54 . . .	310	421	377	370	0.022	1.0
54-55 . . .	291	225	131	216	0.013	0.6
55-56 . . .	2,626	174	157	986	0.059	2.6
1956-57 . . .	1,814	693	1,348	1,285	0.076	3.3
57-58 . . .	1,151	23,985	954	8,697	0.518	22.5
58-59 . . .	111	112	511	245	0.015	0.6
59-60 . . .	806	4,493	1,322	2,207	0.131	5.7
60-61 . . .	624	1,053	613	763	0.045	2.0
12 Years' Average	971	2,782	989	1,581	0.094	4.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48* . . .	251	158	181	196	0.012	0.5
48-49 . . .	1,087	264	386	573	0.035	1.5
49-50 . . .	137	105	79	106	0.007	0.3
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	120	122	91	110	0.007	0.3
52-53 . . .	83	114	76	91	0.006	0.2
53-54 . . .	288	399	26	230	0.014	0.6
54-55 . . .	193	376	219	261	0.016	0.7
55-56 . . .	110	166	165	147	0.009	0.4
1956-57 . . .	393	123	158	222	0.014	0.6
57-58 . . .	681	336	132	375	0.023	1.0
58-59 . . .	180	103	252	181	0.011	0.5
59-60 . . .	533	602	547	560	0.034	1.5
60-61 . . .	986	749	420	709	0.044	1.9
12 Years' Average	399	288	213	297	0.018	0.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48* . . .	189	119	119	141	0.009	0.4
48-49 . . .	278	140	140	185	0.011	0.5
49-50 . . .	89	82	90	87	0.005	0.2
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	64	47	43	49	0.003	0.1
52-53 . . .	64	300	77	145	0.009	0.4
53-54 . . .	Nil	757	434	572	0.035	1.5
54-55 . . .	211	224	107	178	0.011	0.5
55-56 . . .	165	239	140	180	0.011	0.5
1956-57 . . .	124	259	182	188	0.012	0.5
57-58 . . .	140	190	140	156	0.010	0.4
58-59 . . .	106	109	114	110	0.007	0.3
59-60 . . .	215	243	200	219	0.013	0.6
60-61 . . .	225	436	132	260	0.016	0.7
12 Years' Average	140	252	150	194	0.012	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48* . . .	106	108	185	134	0.008	0.3
48-49 . . .	Nil	106	140	78	0.004	0.2
49-50 . . .	436	50	1,291	553	0.031	1.3
50-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	35	30	27	31	0.002	0.1
52-53 . . .	42	35	34	37	0.002	0.1
53-54 . . .	Nil	53	578	184	0.010	0.4
54-55 . . .	123	121	264	166	0.009	0.4
55-56 . . .	167	165	194	175	0.010	0.4
1956-57 . . .	140	214	233	193	0.011	0.5
57-58 . . .	127	187	229	178	0.010	0.4
58-59 . . .	107	101	97	102	0.006	0.2
59-60 . . .	194	215	413	269	0.015	0.7
60-61 . . .	122	163	246	172	0.010	0.4
12 Years' Average	124	125	312	178	0.010	0.4

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusces)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1947-48* . . .	90	70	73	77	0.005	0.2
48-49 . . .	60	50	155	91	0.006	0.2
49-50 . . .	816	1,340	518	879	0.054	2.4
50-51* . . .	48	48	45	47	0.003	0.1
1951-52 . . .	31	39	40	37	0.002	0.1
52-53 . . .	29	25	26	27	0.002	0.1
53-54 . . .	64	235	337	216	0.013	0.6
54-55 . . .	133	50	46	75	0.005	0.2
55-56 . . .	194	194	194	194	0.012	0.5
1956-57 . . .	264	111	96	155	0.010	0.4
57-58 . . .	132	175	193	168	0.010	0.4
58-59 . . .	96	114	169	128	0.008	0.3
59-60 . . .	414	150	133	223	0.014	0.6
60-61 . . .	160	118	159	146	0.009	0.4
12 Years' Average	199	217	172	195	0.012	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusces)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48* . . .	130	87	181	133	0.008	0.3
48-49 . . .	253	43	103	133	0.008	0.3
49-50 . . .	961	994	27	661	0.039	1.7
50-51* . . .	45	59	52	51	0.003	0.1
1951-52 . . .	19	18	43	2~	0.002	0.1
52-53 . . .	32	802	375	403	0.024	1.0
53-54 . . .	173	117	144	145	0.009	0.4
54-55 . . .	44	36	449	176	0.010	0.5
55-56 . . .	2,335	194	194	908	0.054	2.4
1956-57 . . .	86	104	458	216	0.013	0.6
57-58 . . .	186	194	196	192	0.011	0.5
58-59 . . .	101	97	155	118	0.007	0.3
59-60 . . .	130	202	636	323	0.019	0.8
60-61 . . .	99	158	160	139	0.008	0.4
12 Years' Average	368	247	245	287	0.017	0.8

Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 2

River **KRISHNA**

Site **KHODSHI**

Month **MAY**

Year (June to May)	Mean discharge (Cusces)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1947-48* . . .	99	55	60	71	0.004	0.2
48-49 . . .	81	334	794	389	0.024	1.0
49-50 . . .	53	38	1,402	527	0.032	1.4
50-51* . . .	60	46	56	54	0.003	0.1
1951-52 . . .	53	21	98	59	0.004	0.2
52-53 . . .	132	57	38	74	0.005	0.2
53-54 . . .	950	436	181	511	0.031	1.4
54-55 . . .	100	69	322	169	0.010	0.5
55-56 . . .	194	139	1,038	476	0.029	1.3
1956-57 . . .	311	70	1,108	516	0.032	1.4
57-58 . . .	1,631	309	916	951	0.058	2.5
58-59 . . .	599	422	1,794	966	0.059	2.6
59-60 . . .	565	1,097	530	724	0.045	1.9
60-61 . . .	222	534	9,862	3,743	0.230	10.0
12 Years' Average	408	294	1,507	759	0.047	2.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 3

River **KRISHNA**

Site **KARAD**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	201	2,162	24,112	8,825	0.525	22.9
52-53 . . .	2,323	775	9,665	4,254	0.253	11.0
53-54 . . .	1	1,459	33,457	11,639	0.693	30.2
54-55 . . .	2,657	1,952	3,486	2,698	0.161	7.0
55-56 - . .	229	84	17,410	5,908	0.352	15.3
1956-57 . . .	2,380	15,807	179,283	65,823	3.917	170.6
6 Years' Average	1,298	3,706	44,569	16,524	0.983	42.8

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	7,580	7,308	48,091	21,867	1.345	58.6
52-53 . . .	8,260	27,748	102,023	47,817	2.940	128.1
53-54 . . -	77,726	53,079	32,076	53,577	3.294	143.5
54-55 . . .	43,829	52,844	28,581	40,532	2.492	108.6
55-56 . . -	38,172	24,757	24,832	29,111	1.790	78.0
1956-57 . . .	72,261	58,928	43,583	57,245	3.520	153.3
6 Years' Average	41,305	37,444	46,531	41,692	2.564	111.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 3

River **KRISHNA**

Site **KARAD**

Month **AUGUST**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	31,229	22,946	8,156	20,370	1 253	54.6
1951-52 . . .	31,318	21,169	12,750	21,465	1 320	57.5
52-53 . . .	70,365	31,465	23,478	41,179	2 532	110.3
53-54 . . .	71,572	67,480	13,986	49,818	3 063	133.4
54-55 . . .	82,079	34,975	15,398	43,223	2 658	115.8
55-56 . . .	27,714	40,918	44,455	37,913	2 331	101.5
1956-57 . . .	71,075	44,157	16,300	38,790	2 385	103.9
6 Years' Average	59,020	40,027	21,061	38,731	2 382	103.7

Month **SEPTEMBER**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	20,301	14,286	11,645	15,411	0.917	39.9
1951-52 . . .	5,435	5,179	2,781	4,465	0.266	11.6
52-53 . . .	7,134	2,751	2,428	4,104	0.244	10.6
53-54 . . .	7,993	12,570	4 550	8,371	0.498	21.7
54-55 . . .	31,053	21,987	15,143	22,728	1.352	58.9
55-56 . . .	57,810	12,679	16,397	28,962	1.723	75.1
1956-57 . . .	13,028	8,467	9,825	10,440	0 621	27.1
6 Years' Average	20,409	10,606	8,521	13,178	0.784	34.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 3

River **KRISHNA**

Site **KARAD**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	10,193	12,110	4,228	8,694	0.535	23.3
1951-52 . . .	3,822	3,766	2,228	3,238	0.199	8.7
52-53 . . .	4,538	1,341	305	2,005	0.123	5.4
53-54 . . .	7,880	5,593	4,437	5,921	0.364	15.9
54-55 . . .	15,477	6,377	3,755	8,382	0.515	22.5
55-56 . . .	27,691	8,671	10,738	15,135	0.931	40.5
1956-57 . . .	19,015	8,541	3,570	10,156	0.624	27.2
6 Years' Average	13,070	5,715	4,172	7,473	0.459	20.0

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	2,219	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	522	373	422	439	0.026	1.1
52-53 . . .	22	68	61	51	0.003	0.1
53-54 . . .	1,645	66	40	584	0.035	1.5
54-55 . . .	1,184	272	218	558	0.033	1.4
55-56 . . .	6,544	1,773	922	3,080	0.183	8.0
1956-57 . . .	4,568	2,331	2,213	3,037	0.181	7.9
6 Years' Average	2,414	814	646	1,292	0.077	3.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 3

River **KRISHNA**

Site **KARAD**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	407	272	184	284	0.017	0.8
1951-52 . . .	239	129	93	152	0.009	0.4
52-53 . . .	50	49	47	48	0.003	0.1
53-54 . . .	142	244	121	167	0.010	0.4
54-55 . . .	215	67	43	106	0.007	0.3
55-56 . . .	3,933	1,819	1,581	2,417	0.149	6.5
1956-57 . . .	754	351	185	422	0.026	1.1
6 Years' Average	889	443	345	552	0.034	1.5

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	139	115	90	114	0.007	0.3
1951-52 . . .	59	45	34	46	0.003	0.1
52-53 . . .	29	24	16	23	0.001	0.1
53-54 . . .	128	139	132	133	0.008	0.4
54-55 . . .	27	34	69	44	0.003	0.1
55-56 . . .	3,174	3,429	1,317	2,597	0.160	7.0
1956-57 . . .	(683)	(734)	(314)	(569)	(0.035)	(1.5)
6 Years' Average	683	734	314	569	0.035	1.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 3

River **KRISHNA**

Site **KARAD**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	19	11	8	13	0.001	Nil
52-53 . . .	12	9	6	9	Nil	
53-54 . . .	121	115	112	116	0.006	0.3
54-55 . . .	66	28	45	46	0.003	0.1
55-56 . . .	1,305	1,039	1,305	1,213	0.070	3.0
1956-57 . . .	859	944	854	888	0.049	2.1
6 Years' Average	397	358	388	381	0.021	0.9

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52 . . .	7	4	2	4	Nil	Nil
52-53 . . .	3	3	3	3	„	
53-54 . . .	95	86	126	103	0.006	0.3
54-55 . . .	60	42	42	48	0.003	0.1
55-56 . . .	1,132	947	787	950	0.058	2.5
1956-57 . . .	711	1,019	991	910	0.056	2.4
6 Years' Average	335	350	325	336	0.021	0.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 3

River **KRISHNA**

Site **KARAD**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	13	11	13	13	0.001	Nil
1951-52 . . .	1	1	1	1	Nil	Nil
52-53 . . .	13	48	30	30	0.002	0.1
53-54 . . .	120	74	30	75	0.004	0.2
54-55 . . .	28	17	194	79	0.005	0.2
55-56 . . .	465	6,376	1,398	2,746	0.163	7.1
1956-57 . . .	(125)	(1,303)	(331)	(586)	(0.035)	(1.5)
6 Years' Average	125	1,303	331	586	0.035	1.5

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	8	4	23	12	0.001	Nil
1951-52 . . .	1	1	12	5	Nil	Nil
52-53 . . .	11	2	1	5	„	„
53-54 . . .	63	87	35	61	0.002	0.2
54-55 . . .	102	42	268	141	0.009	0.4
55-56 . . .	656	317	7,112	2,838	0.175	7.6
1956-57 . . .	(167)	(90)	(1,486)	(610)	(0.038)	(1.6)
6 Years' Average	167	90	1,486	610	0.038	1.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 4

River **KRISHNA**

Site **CHITAPUR**

Year **1958-59**

<i>Months</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-End</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
June . . .	24,025	25,702	34,932	28,220	1.679	73.1
July . . .	120,767	275,964	234,605	211,225	12.988	565.7
Aug. . . .	73,737	78,376	104,489	86,146	5.297	230.7
Sept. . . .	115,244	59,064	45,259	73,189	4.355	189.7
Oct. . . .	48,306	38,172	10,757	31,713	1.950	84.9
Nov. . . .	6,418	6,418	6,418	6,418	0.382	16.6
Dec. . . .	6,418	6,418	6,418	6,418	0.395	17.2
Jan. . . .	5,293	5,082	3,234	4,494	0.276	12.0
Feb. . . .	1,621	1,142	675	1,180	0.066	2.9
Mar. . . .	596	535	465	530	0.033	1.4
Apr. . . .	268	831	2,431	1,177	0.070	3.1
May . . .	1,649	635	3,405	1,945	0.120	5.2
Volume (June to Nov.)					26.651	1,160.7
Volume (Dec. to May)					0.960	41.8
Annual Volume					27.611	1,202.5

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 5

River **KRISHNA**

Site **DEOSUGUR**

Year **1958-59**

Months	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-End	Whole month	M. A. F.	T M. C.
June . . .						
July . . .	157,688	415,450	396,827	325,693	20.026	872.3
Aug. . . .	142,508	145,268	232,065	175,176	10.771	469.2
Sept. . . .	231,473	133,412	89,145	151,343	9.006	392.3
Oct. . . .	75,288	82,113	65,575	74,043	4.553	198.3
Nov. . . .	54,166	40,838	36,269	43,758	2.604	113.4
Dec. . . .	36,241	34,453	32,739	34,421	2.116	92.2
Jan. . . .	32,517	32,141	31,329	31,974	1.966	85.6
Feb. . . .	30,409	29,891	29,255	29,894	1.660	72.3
Mar. . . .	23,073	23,697	25,835	24,254	1.491	65.0
Apr. . . .	25,305	24,435	28,200	25,980	1.546	67.3
May . . .	29,075	25,242	29,234	27,895	1.715	74.7
June. 1959	43,609					
Volume (July to Nov.)					46.960	2,045.5
Volume (Dec. to May)					10.494	457.1
Volume (July 1958 to May 1959)					57.454	2,502.6

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 6

River **KRISHNA**

Site **SIDDESWARAM**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1948-49 . . .	(22,026)	16,400	30,150	22,859	1.360	59.3
49-50 . . .	8,255	10,910	31,700	16,955	1.009	43.9
50-51 . . .	29,970	18,870	12,690	20,510	1.220	53.2
1951-52 . . .	19,640	26,404	96,066	57,560	3.425	149.2
52-53 . . .	30,240	43,005	20,500	31,248	1.859	81.0
53-54* . . .	175	3,373	69,758	24,435	1.454	63.3
5 Years' Average	22,026	23,118	38,221	29,826	1.775	77.3

Month **JULY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1948-49 . . .	44,000	62,250	193,727	103,016	6.334	275.9
49-50 . . .	17,000	123,300	143,327	105,794	6.505	283.4
50-51 . . .	9,510	27,540	(74,870)	38,518	2.368	103.2
1951-52 . . .	92,931	65,550	252,050	140,755	8.655	377.0
52-53 . . .	71,570	57,155	270,427	137,482	8.453	368.2
53-54* . . .	301,250	301,440	144,382	245,648	15.104	657.9
5 Years' Average	53,002	67,159	186,880	105,113	6.463	281.5

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 6

River **KRISHNA**

Site **SIDDESWARAM**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>I-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	150,500	258,889	271,833	250,706	15 415	671.5
49-50 . . .	205,800	148,200	85,727	144,613	8.892	387.3
50-51 . . .	122,200	212,790	93,600	173,456	10.665	464.6
1951-52 . . .	192,142	234,837	115,494	174,801	10.748	468.2
52-53 . . .	364,990	223,130	202,045	261,410	16.073	700.2
53-54* . . .	231,750	N.A.	N.A.	N.A.	N.A.	N.A.
5 Years' Average	207,126	215,569	153,740	200,997	12.359	538.4

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>I-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	84,417	61,750	169,400	108,385	6.449	280.9
49-50 . . .	103,340	82,000	(75,000)	86,780	5.164	224.9
50-51 . . .	117,730	282,750	139,750	190,158	11.315	492.9
1951-52 . . .	107,418	(84,105)	60,793	84,105	5.005	218.0
52-53 . . .	93,290	43,440	40,070	58,930	3.507	152.8
5 Years' Average	101,239	110.809	97,003	105,672	6.283	273.9

*Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 6

River	KRISHNA		Site	SIDDESWARAM		Month	OCTOBER	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month			
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.		
1948-49 . . .	106,100	86,300	43,636	77,548	4.768	207.7		
49-50 . . .	(70,000)	64,400	106,545	81,161	4.990	217.4		
50-51 . . .	137,750	219,620	90,055	147,235	9.053	394.4		
1951-52 .	(60,371)	59,950	44,358	54,553	3.354	146.1		
52-53 . . .	87,290	121,730	60,182	88,781	5.459	237.8		
5 Years' Average	92,302	110,400	68,955	89,856	5.525	240.7		

Month **NOVEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month			
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.		
1948-49 . . .	35,240	52,030	111,300	66,190	3.939	171.6		
49-50 . . .	27,500	15,600	8,460	17,187	1.023	44.5		
50-51 . . .	42,026	28,050	16,170	28,749	1.711	74.5		
1951-52 . . .	23,517	26,686	9,091	19,765	1.176	51.2		
52-53 . . .	18,800	10,770	6,350	11,973	0.712	31.0		
5 Years' Average	29,417	26,627	30,274	28,773	1.712	74.6		

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 6

River **KRISHNA**

Site **SIDDESWARAM**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	42,970	23,630	14,664	26,687	1.641	71.5
49-50 . . .	6,200	3,500	3,636	4,419	0.272	11.8
50-51 . . .	19,360	7,150	4,818	10,261	0.631	27.5
1951-52 . . .	12,851	6,138	2,647	7,065	0.344	18.9
52-53 . . .	5,025	6,135	4,177	5,082	0.312	13.6
5 Years' Average	17,281	9,311	5,988	10,703	0.658	28.7

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	9,470	8,059	6,678	8,024	0.493	21.5
49-50 . . .	3,000	3,030	2,636	2,881	0.177	7.7
50-51 . . .	3,080	2,850	2,650	2,912	0.179	7.8
1951-52 . . .	2,169	1,553	1,400	1,697	0.104	4.5
52-53 . . .	1,431	702	1,169	1,103	0.068	3.0
5 Years' Average	3,830	3,239	2,907	3,323	0.204	8.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 6

River **KRISHNA**

Site **SIDDESWARAM**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	4,939	4,505	4,356	4,617	0.256	11.2
49-50 . . .	2,390	1,960	1,650	2,025	0.112	4.9
50-51 . . .	1,400	1,130	942	1,097	0.061	2.7
1951-52 . . .	1,178	9,260	838	991	0.057	2.5
52-53 . . .	932	575	381	647	0.036	1.6
5 Years' Average	2,168	3,486	1,633	1,875	0.104	4.6

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	3,308	2,217	1,630	2,360	0.145	6.3
49-50 . . .	(1,154)	(1,154)	(1,154)	(1,154)	(0.071)	(3.1)
50-51 . . .	710	445	250	523	0.032	1.4
1951-52 . . .	675	395	248	375	0.023	1.0
52-53 . . .	270	158	130	184	0.011	0.5
5 Years' Average	1,223	874	682	919	0.056	2.5

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 6

River **KRISHNA**

Site **SIDDESWARAM**

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	1,742	1,622	1,056	1,473	0.088	3.8
49-50 . . .	550	425	179	341	0.020	0.9
50-51 . . .	2,946	306	956	1,403	0.083	3.6
1951-52 . . .	180	283	139	200	0.012	0.5
52-53 . . .	106	95	445	219	0.013	0.6
5 Years' Average	1,105	546	555	727	0.043	1.9

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .	608	519	7,644	3,095	0.190	8.3
49-50 . . .	140	77	264	164	0.010	0.4
50-51 . . .	450	330	816	522	0.032	1.4
1951-52 . . .	50	4,591	115,982	42,652	2.623	114.2
52-53 . . .	1,962	1,441	722	1,351	0.083	3.6
5 Years' Average	654	1,392	25,086	9,557	0.588	25.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 7

River **KRISHNA**

Site **BELOW NAGARJUNA SAGAR DAM**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
58-59 . . .	38,825	20,310	17,350	25,495	1.517	66.1
59-60 . . .	124,980	263,400	323,440	237,273	14.119	615.0
60-61 . . .	53,300	54,980	52,320	53,533	3.185	138.8
3 Years' Average	72,368	112,897	131,037	105,434	6.274	273.3

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58* . . .	140,467	265,080	275,809	241,759	14.865	647.5
58-59 . . .	190,260	484,460	550,582	413,019	25.396	1,106.2
59-60 . . .	437,400	457,640	509,427	469,487	28.868	1,257.5
60-61 . . .	252,315	193,950	107,827	182,218	11.204	488.1
3 Years' Average	293,325	378,683	389,279	354,908	21.823	950.6

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	N.A.	243,900	220,118	229,367	14.103	614.3
57-58* . . .	190,890	274,200	318,791	263,148	16.180	704.8
58-59 . . .	191,350	164,860	289,755	217,723	13.387	583.1
59-60 . . .	350,620	159,570	129,536	210,542	12.946	563.9
60-61 . . .	367,450	237,250	179,745	258,845	15.916	693.3
3 Years' Average	303,140	187,227	199,679	229,037	14.083	613.4

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 7

River KRISHNA

Site BELOW NAGARJUNA SAGAR DAM

Month SEPTEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57 . . .	195,990	101,580	147,400	148,323	8.826	384.5
57-58 . . .	137,160	178,130	89,530	134,940	8.029	349.8
58-59 . . .	317,230	151,180	146,640	205,017	12.199	531.4
59-60 . . .	369,000	189,070	127,120	228,397	13.591	592.0
60-61 . . .	119,050	167,360	425,080	237,163	14.112	614.7
3 Years' Average	268,427	169,203	232,947	223,526	13.301	579.4

Month OCTOBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57* . . .	256,480	262,010	155,473	222,423	13.676	595.7
57-58* . . .	82,632	51,705	160,509	100,289	6.167	268.6
58-59 . . .	90,740	106,890	34,518	76,006	4.673	203.6
59-60 . . .	195,360	65,780	42,164	99,200	6.100	265.7
60-61 . . .	226,830	101,610	78,364	133,755	8.224	358.2
3 Years' Average	170,977	91,427	51,682	102,985	6.332	275.8

Month NOVEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57 . . .	172,090	149,360	72,350	131,267	7.811	340.2
57-58 . . .	96,540	64,075	54,125	71,580	4.259	185.5
58-59 . . .	18,650	16,150	16,670	17,157	1.021	44.5
59-60 . . .	31,455	30,600	34,020	32,025	1.906	83.0
60-61 . . .	68,170	73,120	62,320	67,870	4.039	175.9
3 Years' Average	39,425	39,957	37,670	39,017	2.322	101.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 7

River **KRISHNA** *Site* **BELOW NAGARJUNA SAGAR DAM** *Month* **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	57,965	33,250	25,918	38,800	2.386	103.9
57-58* . . .	23,460	17,950	16,318	19,148	1.177	51.3
58-59 . . .	14,250	13,160	13,000	13,455	0.827	36.0
59-60 . . .	25,655	22,350	20,200	22,653	1.393	60.7
60-61 . . .	50,370	42,805	40,000	44,250	2.721	118.5
3 Years' Average	30,092	26,105	24,400	26,786	1.647	71.7

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	23,470	21,400	19,800	21,500	1.322	57.6
57-58* . . .	14,875	13,465	12,160	13,457	0.827	36.0
58-59 . . .	12,006	10,870	10,382	11,063	0.680	29.6
59-60 . . .	48,820	22,620	22,200	30,923	1.901	82.8
60-61 . . .	39,700	36,920	30,282	35,461	2.180	95.0
3 Years' Average	33,509	23,470	20,955	25,810	1.587	69.1

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	16,550	15,975	12,878	15,295	0.849	37.0
57-58* . . .	12,554	14,480	14,525	13,805	0.767	33.4
58-59 . . .	10,000	9,940	9,700	9,893	0.549	23.9
59-60 . . .	15,725	14,090	13,750	14,548	0.837	36.5
60-61 . . .	8,724	6,942	6,152	7,353	0.408	17.8
3 Years' Average	11.483	10,324	9,867	10,598	0.598	26.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 7

River **KRISHNA**

Site **BELOW NAGARJUNA SAGAR DAM**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	11,758	19,585	35,317	18,234	1.121	48.8
57-58* . . .	13,146	13,523	14,123	13,614	0.837	36.5
58-59 . . .	9,460	9,400	9,155	9,332	0.574	25.0
59-60 . . .	13,075	12,500	12,191	12,576	0.773	33.7
60-61 . . .	6,325	5,055	4,235	5,174	0.318	13.9
3 Years' Average	9,620	8,985	8,527	9,027	0.555	24.2

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
57-58* . . .	15,710	13,870	12,914	14,165	0.843	36.7
58-59 . . .	9,340	9,100	9,100	9,180	0.546	23.8
59-60 . . .	11,660	11,230	11,200	11,363	0.676	29.5
60-61 . . .	5,475	6,846	3,949	5,420	0.323	14.0
3 Years' Average	8,825	9,059	8,083	8,654	0.515	22.4

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
57-58* . . .	12,056	22,835	26,250	20,570	1.265	55.1
58-59 . . .	9,250	9,400	9,782	9,487	0.583	25.4
59-60 . . .	11,110	10,900	47,541	23,969	1.474	64.2
60-61 . . .	5,123	6,224	29,770	14,224	0.875	38.1
3 Years' Average	8,494	8,841	29,031	15,893	0.977	42.6

* Not considered for calculating the average.



KRISHNA AT VIJAYAWADA

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**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	17,750	21,188	82,124	40,354	2.401	104.6
02-03 . . .	2,418	10,460	38,550	17,143	1.020	44.4
03-04 . . .	2,525	26,436	34,668	21,210	1.262	55.0
04-05 . . .	4,497	10,860	101,602	38,986	2.320	101.1
05-06 . . .	3,693	15,918	15,963	11,858	0.706	30.7
1906-07 . . .	Nil	45,245	65,708	36,984	2.201	95.9
07-08 . . .	629	21,631	19,516	13,925	0.829	36.1
08-09 . . .	354	810	3,169	1,444	0.086	3.7
09-10 . . .	30,936	73,849	32,298	45,694	2.719	118.4
10-11 . . .	Nil	126	7,679	2,602	0.155	6.7
<i>10 Years' Average</i>	<i>6,280</i>	<i>22,652</i>	<i>40,128</i>	<i>23,020</i>	<i>1.370</i>	<i>59.7</i>
1911-12 . . .	577	14,040	90,750	35,122	2.090	91.0
12-13 . . .	165	6,350	3,163	3,226	0.192	8.4
13-14 . . .	30,058	79,326	75,148	61,511	3.660	159.4
14-15 . . .	484	3,176	29,954	11,205	0.667	29.0
15-16 . . .	2,522	8,650	20,794	10,655	0.634	27.6
1916-17 . . .	37,565	37,944	76,425	50,645	3.014	131.3
17-18 . . .	20,826	58,921	88,374	56,040	3.335	145.3
18-19 . . .	35,292	14,259	10,024	19,858	1.182	51.5
19-20 . . .	40,740	70,149	47,522	52,804	3.142	136.9
20-21 . . .	433	1,670	49,919	17,341	1.032	44.9
<i>10 Years' Average</i>	<i>16,866</i>	<i>29,449</i>	<i>49,207</i>	<i>31,841</i>	<i>1.895</i>	<i>82.5</i>
1921-22 . . .	2,108	8,773	33,873	14,918	0.888	38.7
22-23 . . .	11,576	12,848	16,918	13,781	0.820	35.7
23-24 . . .	517	2,392	2,158	1,689	0.101	4.4
24-25 . . .	231	8,478	21,034	9,914	0.590	25.7
25-26 . . .	8,369	5,993	16,235	10,199	0.607	26.4
1926-27 . . .	767	2,280	7,673	3,573	0.213	9.3
27-28 . . .	15	9,329	58,393	22,579	1.344	58.5
28-29 . . .	598	44,497	39,680	28,259	1.682	73.2
29-30 . . .	1,551	20,785	40,225	20,854	1.241	54.1
30-31 . . .	807	8,041	20,380	9,743	0.580	25.3
<i>10 Years' Average</i>	<i>2,654</i>	<i>12,342</i>	<i>25,657</i>	<i>13,551</i>	<i>0.806</i>	<i>35.1</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1931-32 . . .	8,637	10,892	39,855	19,795	1.178	51.3
32-33 . . .	8,465	6,244	15,668	10,126	0.603	26.2
33-34 . . .	18,874	58,634	69,451	48,986	2.915	127.0
34-35 . . .	143	2,755	10,371	4,423	0.263	11.5
35-36 . . .	Nil	16,125	39,307	18,478	1.100	47.9
1936-37 . . .	11,211	4,738	14,383	10,110	0.602	26.2
37-38 . . .	972	1,062	18,267	6,767	0.403	17.5
38-39 . . .	16,698	32,377	132,660	60,578	3.605	157.0
39-40 . . .	Nil	Nil	29,822	9,940	0.591	25.8
40-41 . . .	7,228	7,410	34,238	16,295	0.970	42.2
<i>10 Years' Average</i>	<i>7,223</i>	<i>14,021</i>	<i>40,402</i>	<i>20,550</i>	<i>1.223</i>	<i>53.3</i>
1941-42 . . .	1,219	27,316	20,397	16,310	0.971	42.3
42-43 . . .	747	43,379	70,910	38,345	2.282	99.4
43-44 . . .	22,214	9,494	49,380	27,029	1.608	70.1
44-45 . . .	4,122	6,388	37,766	16,092	0.958	41.7
45-46 . . .	1,116	4,655	12,038	5,936	0.353	15.4
1946-47 . . .	15,685	48,508	22,361	28,851	1.717	74.8
47-48 . . .	2,894	15,597	30,898	16,463	0.980	42.7
48-49 . . .	2,039	7,367	15,775	8,394	0.499	21.8
49-50 . . .	10,328	8,822	26,903	15,351	0.913	39.8
50-51 . . .	16,639	23,159	12,964	17,587	1.046	45.6
<i>10 Years' Average</i>	<i>7,700</i>	<i>19,468</i>	<i>29,939</i>	<i>19,036</i>	<i>1.133</i>	<i>49.3</i>
1951-52 . . .	27,131	18,252	51,075	32,153	1.913	83.3
52-53 . . .	17,376	34,283	11,536	21,065	1.253	54.6
53-54 . . .	199	1,321	49,652	14,057	0.836	36.4
54-55 . . .	6,091	9,082	11,500	8,891	0.529	23.0
55-56 . . .	15,468	17,777	14,651	15,965	0.950	41.4
1956-57 . . .	15,897	7,268	13,098	12,088	0.719	31.3
57-58 . . .	19,335	20,800	40,309	26,814	1.596	69.5
58-59 . . .	18,252	6,001	2,322	8,858	0.527	23.0
59-60 . . .	13,068	24,045	46,582	27,898	1.660	72.3
60-61 . . .	18,645	17,825	18,671	18,380	1.094	47.6
<i>10 Years' Average</i>	<i>15,146</i>	<i>15,665</i>	<i>25,040</i>	<i>18,616</i>	<i>1.108</i>	<i>48.3</i>
60 Years' Average	9,312	18,933	35,062	21,102	1.256	54.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	53,920	337,754	222,510	205,302	12.624	549.9
02-03 . . .	38,292	105,584	363,129	175,264	10.777	469.4
03-04 . . .	68,398	124,086	499,980	239,504	14.727	641.5
04-05 . . .	264,893	304,523	134,206	231,304	14.222	619.5
05-06 . . .	18,972	109,202	219,938	119,389	7.341	319.8
1906-07 . . .	65,754	113,816	276,275	155,959	9.590	417.7
07-08 . . .	77,161	98,399	208,163	130,496	8.024	349.5
08-09 . . .	64,488	309,580	351,751	245,482	15.094	657.5
09-10 . . .	133,246	294,675	340,893	259,001	15.925	693.7
10-11 . . .	198,898	200,101	56,243	148,666	9.141	398.2
<i>10 Years' Average</i>	<i>98,402</i>	<i>199,772</i>	<i>267,309</i>	<i>191,037</i>	<i>11.746</i>	<i>511.7</i>
1911-12 . . .	68,342	120,651	206,008	134,065	8.243	359.1
12-13 . . .	40,567	97,865	300,862	151,413	9.310	405.5
13-14 . . .	210,572	138,219	289,808	215,348	13.241	576.8
14-15 . . .	68,695	219,299	504,403	271,883	16.717	728.2
15-16 . . .	289,751	89,960	146,420	174,443	10.726	467.2
1916-17 . . .	184,343	132,000	218,032	179,412	11.032	480.5
17-18 . . .	149,800	87,757	140,086	126,339	7.768	338.4
18-19 . . .	13,836	81,546	17,405	36,944	2.272	99.0
19-20 . . .	98,843	178,534	68,453	113,766	6.995	304.7
20-21 . . .	85,528	286,803	265,199	214,210	13.171	573.7
<i>10 Years' Average</i>	<i>121,128</i>	<i>143,263</i>	<i>215,668</i>	<i>161,779</i>	<i>9.947</i>	<i>433.3</i>
1921-22 . . .	25,195	65,467	198,384	99,640	6.127	266.9
22-23 . . .	145,862	209,400	294,876	219,234	13.480	587.2
23-24 . . .	13,446	250,817	480,483	255,740	15.725	685.0
24-25 . . .	18,435	181,386	389,841	202,789	12.469	543.2
25-26 . . .	181,114	191,731	403,022	263,280	16.188	705.2
1926-27 . . .	29,790	270,377	103,779	133,653	8.218	358.0
27-28 . . .	86,522	245,972	342,031	228,622	14.057	612.3
28-29 . . .	54,942	82,622	175,388	106,610	6.555	285.5
29-30 . . .	99,460	273,414	227,783	201,108	12.366	538.6
30-31 . . .	198,413	163,405	254,568	207,046	12.731	554.6
<i>10 Years' Average</i>	<i>85,318</i>	<i>193,459</i>	<i>287,016</i>	<i>191,772</i>	<i>11.792</i>	<i>513.6</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month JULY

Year (June to Ma)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1931-32 . . .	74,061	234,408	261,819	192,410	11.831	515.4
32-33 . . .	37,747	135,541	329,279	172,741	10.621	462.7
33-34 . . .	146,320	129,421	172,883	150,081	9.228	402.0
34-35 . . .	185,728	247,904	151,546	193,656	11.907	518.7
35-36 . . .	25,495	162,238	157,745	116,533	7.165	312.1
1936-37 . . .	225,151	124,036	191,665	180,648	11.108	483.8
37-38 . . .	134,334	177,212	353,005	225,759	13.881	604.7
38-39 . . .	218,522	214,930	261,868	232,744	14.311	623.4
39-40 . . .	87,014	272,552	265,834	210,317	12.932	563.3
40-41 . . .	152,947	176,748	180,039	205,722	12.649	551.0
10 Years' Average	128,732	187,498	242,508	188,061	11.563	503.7
1941-42 . . .	169,336	358,940	111,568	210,000	12.912	562.5
42-43 . . .	160,225	259,922	230,117	217,186	13.354	581.7
43-44 . . .	131,758	265,307	242,433	214,110	13.165	573.5
44-45 . . .	59,613	221,650	297,221	196,196	12.064	525.5
45-46 . . .	77,652	315,432	225,678	206,881	12.721	554.1
1946-47 . . .	135,432	178,819	197,883	171,588	10.551	459.6
47-48 . . .	54,294	71,885	282,056	140,787	8.657	377.1
48-49 . . .	63,352	101,523	230,268	134,893	8.294	361.3
49-50 . . .	55,342	107,716	211,237	127,555	7.843	341.6
50-51 . . .	11,571	86,446	447,579	190,437	11.710	510.1
10 Years' Average	91,858	196,764	247,604	180,963	11.127	484.7
1951-52 . . .	99,497	98,444	222,794	142,908	8.787	382.8
52-53 . . .	52,518	50,122	229,594	114,579	7.045	306.9
53-54 . . .	247,227	311,014	149,012	232,953	14.324	623.9
54-55 . . .	34,193	267,126	317,961	210,024	12.914	562.5
55-56 . . .	132,996	133,289	124,846	130,199	8.006	348.7
1956-57 . . .	243,798	465,756	537,876	419,747	25.809	1,124.3
57-58 . . .	107,619	271,535	306,588	231,097	14.210	619.0
58-59 . . .	197,097	491,539	593,785	432,839	26.614	1,159.3
59-60 . . .	241,182	490,637	527,346	423,193	26.021	1,133.5
60-61 . . .	215,154	185,983	59,980	150,682	9.265	403.6
10 Years' Average	157,128	276,544	306,978	248,822	15.299	666.4
60 Years' Average	113,761	199,550	261,180	193,740	11.912	518.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 8

River KRISHNA

Site VIJAYAWADA

Month AUGUST

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	290,002	421,848	222,565	308,604	18.975	826.6
02-03 . . .	162,154	67,753	52,084	92,645	5.697	248.1
03-04 . . .	538,116	198,086	252,647	327,133	20.115	876.2
04-05 . . .	106,366	213,405	85,137	133,362	8.200	357.2
05-06 . . .	216,245	119,902	140,045	158,128	9.723	423.5
1906-07 . . .	221,981	81,318	273,674	194,948	11.987	522.1
07-08 . . .	451,817	430,081	331,512	402,116	24.725	1,077.0
08-09 . . .	406,601	266,062	184,610	282,495	17.370	756.6
09-10 . . .	326,925	139,734	131,822	197,310	12.132	528.5
10-11 . . .	132,714	298,608	202,072	210,839	12.964	564.7
<i>10 Years' Average</i>	<i>285,292</i>	<i>223,680</i>	<i>187,617</i>	<i>230,758</i>	<i>14.189</i>	<i>618.1</i>
1911-12 . . .	99,072	176,148	187,606	155,351	9.552	416.1
12-13 . . .	465,055	296,608	179,913	309,539	19.033	829.1
13-14 . . .	332,144	171,715	147,652	179,444	11.034	480.6
14-15 . . .	572,820	572,004	197,761	439,471	27.022	1,177.1
15-16 . . .	440,016	195,163	101,060	240,757	14.804	644.8
1916-17 . . .	387,960	317,520	267,988	322,667	19.840	864.2
17-18 . . .	222,225	134,705	188,145	181,900	11.185	487.2
18-19 . . .	19,018	105,560	184,425	105,627	6.495	282.9
19-20 . . .	274,845	233,002	130,430	210,103	12.919	562.7
20-21 . . .	247,353	132,212	88,177	153,729	9.452	411.7
<i>10 Years' Average</i>	<i>306,051</i>	<i>233,464</i>	<i>167,316</i>	<i>229,859</i>	<i>14.133</i>	<i>615.7</i>
1921-22 . . .	419,955	262,938	220,353	298,478	18.353	799.4
22-23 . . .	308,153	125,307	182,741	204,669	12.585	548.2
23-24 . . .	397,062	371,852	200,924	319,332	19.635	855.3
24-25 . . .	294,556	181,357	123,352	197,290	12.131	528.4
25-26 . . .	221,432	166,311	175,769	187,448	11.526	502.1
1926-27 . . .	318,665	465,396	234,576	336,160	20.670	900.4
27-28 . . .	338,884	176,453	151,042	219,834	13.517	588.8
28-29 . . .	304,666	161,793	132,619	197,531	12.146	529.1
29-30 . . .	149,567	122,600	143,221	138,616	8.523	371.3
30-31 . . .	211,950	247,153	99,458	183,389	11.276	491.2
<i>10 Years' Average</i>	<i>296,489</i>	<i>228,117</i>	<i>166,406</i>	<i>228,275</i>	<i>14.036</i>	<i>611.4</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .	183,210	385,170	361,153	311,499	19.153	834.3
32-33 . . .	418,629	267,006	153,593	275,674	16.951	738.4
33-34 . . .	498,291	351,754	168,209	333,895	20.530	894.3
34-35 . . .	235,641	290,901	262,368	262,951	16.168	704.3
35-36 . . .	209,015	118,083	177,042	168,337	10.351	450.9
1936-37 . . .	176,561	225,432	150,105	182,938	11.248	490.0
37-38 . . .	278,530	153,719	84,433	169,395	10.416	453.7
38-39 . . .	172,781	112,451	180,152	155,935	9.588	417.7
39-40 . . .	98,275	95,131	203,791	134,702	8.283	360.8
40-41 . . .	246,504	213,300	265,632	242,580	14.916	649.7
<i>10 Years' Average</i>	<i>251,744</i>	<i>221,295</i>	<i>200,648</i>	<i>223,791</i>	<i>13.760</i>	<i>599.4</i>
1941-42 . . .	36,834	142,023	144,497	108,969	6.700	291.9
42-43 . . .	321,301	186,034	142,881	214,356	13.180	574.1
43-44 . . .	222,831	139,655	64,496	139,817	8.597	374.5
44-45 . . .	291,746	109,849	172,695	190,825	11.733	511.1
45-46 . . .	141,721	132,778	248,722	176,804	10.871	473.6
1946-47 . . .	389,077	343,163	335,596	355,289	21.846	951.6
47-48 . . .	153,265	126,458	335,599	209,317	12.870	560.6
48-49 . . .	189,412	260,433	272,534	241,817	14.869	647.7
49-50 . . .	236,223	209,496	130,739	190,171	11.693	509.4
50-51 . . .	326,950	223,539	114,602	218,242	13.419	584.5
<i>10 Years' Average</i>	<i>230,936</i>	<i>187,343</i>	<i>196,236</i>	<i>204,561</i>	<i>12.578</i>	<i>547.9</i>
1951-52 . . .	254,315	230,397	111,948	196,082	12.057	525.2
52-53 . . .	329,768	211,482	190,856	242,320	14.900	649.0
53-54 . . .	224,023	338,735	306,372	290,247	17.847	777.4
54-55 . . .	276,994	352,587	141,536	253,313	15.576	678.5
55-56 . . .	169,249	287,359	349,828	271,425	16.689	727.0
1956-57 . . .	628,638	374,072	220,071	401,545	24.690	1,075.5
57-58 . . .	200,570	295,094	383,342	295,916	18.195	792.6
58-59 . . .	177,111	159,343	296,326	213,681	13.139	572.3
59-60 . . .	315,722	186,460	233,017	244,677	15.045	655.3
60-61 . . .	335,130	237,683	297,493	290,340	17.852	777.6
<i>10 Years' Average</i>	<i>291,152</i>	<i>267,321</i>	<i>253,078</i>	<i>269,954</i>	<i>16.599</i>	<i>723.0</i>
60 Years' Average	276,944	226,870	195,217	231,200	14.216	619.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1901-02 . . .	113,546	44,993	101,822	86,787	5.164	225 0
02-03 . . .	229,417	314,103	146,699	230,073	13.690	596.3
03-04 . . .	204,589	173,824	238,886	205,766	12.244	533 3
04-05 . . .	39,472	135,768	114,349	96,530	5.744	250.2
05-06 . . .	95,807	53,737	43,985	64,510	3.839	167.2
1906-07 . . .	288,985	109,333	131,198	176,505	10.503	457 5
07-08 . . .	137,667	70,913	78,347	95,642	5.691	247.9
08-09 . . .	149,475	141,710	366,873	219,353	13.052	568.6
09-10 . . .	266,558	100,786	41,765	136,370	8.115	353.5
10-11 . . .	207,566	114,890	258,373	193,609	11.521	501.8
<i>10 Years' Average</i>	<i>173,308</i>	<i>126,006</i>	<i>152,230</i>	<i>150,514</i>	<i>8.956</i>	<i>390.1</i>
1911-12 . . .	121,235	78,606	73,689	91,176	5.425	236.3
12-13 . . .	87,664	68,979	123,476	93,373	5.556	242.0
13-14 . . .	82,098	62,502	52,191	65,597	3.903	170.0
14-15 . . .	127,266	168,160	328,721	208,049	12.380	539.3
15-16 . . .	83,368	143,830	181,056	136,085	8.098	352.7
1916-17 . . .	114,806	384,410	228,695	242,637	14.438	628.9
17-18 . . .	379,373	284,725	205,719	289,939	17.253	751.5
18-19 . . .	88,117	51,960	133,201	91,093	5.420	236.1
19-20 . . .	218,295	122,583	172,917	171,232	10.189	443.8
20-21 . . .	58,964	51,254	112,107	74,109	4.410	192.1
<i>10 Years' Average</i>	<i>136,119</i>	<i>141,701</i>	<i>161,177</i>	<i>146,329</i>	<i>8.707</i>	<i>379.3</i>
1921-22 . . .	69,512	136,703	128,111	111,442	6.631	288.9
22-23 . . .	90,311	97,868	70,243	86,141	5.126	223.3
23-24 . . .	118,549	114,308	151,466	128,108	7.623	332.1
24-25 . . .	339,143	94,956	191,807	208,635	12.415	540.8
25-26 . . .	138,242	62,818	84,945	95,335	5.673	247.1
1926-27 . . .	187,409	225,548	118,212	177,056	10.536	458.9
27-28 . . .	153,377	100,968	218,943	157,763	9.388	408.9
28-29 . . .	312,024	147,247	183,163	214,144	12.742	555.1
29-30 . . .	113,165	52,231	162,408	109,268	6.502	283.2
30-31 . . .	108,715	223,015	166,833	166,188	9.889	430.8
<i>10 Years' Average</i>	<i>163,045</i>	<i>125,566</i>	<i>147,613</i>	<i>145,408</i>	<i>8.652</i>	<i>376.9</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

<i>River</i> KRISHNA	<i>Site</i> VIJAYAWADA				<i>Month</i> SEPTEMBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .	212,188	194,981	199,483	202,270	12.036	524.3
32-33 . . .	209,694	274,752	89,876	191,441	11.392	496.2
33-34 . . .	257,281	244,136	223,305	241,574	14.375	626.2
34-35 . . .	119,823	83,956	48,312	84,030	5.000	217.8
35-36 . . .	253,607	175,716	144,894	191,405	11.389	496.1
1936-37 . . .	74,772	125,552	112,338	104,220	6.202	270.1
37-38 . . .	36,339	86,159	144,030	88,843	5.287	230.3
38-39 . . .	187,662	104,959	207,988	166,810	9.926	432.4
39-40 . . .	297,467	117,338	126,968	180,591	10.746	468.1
40-41 . . .	133,690	57,999	97,038	96,242	5.727	249.5
<i>10 Years' Average</i>	<i>178,252</i>	<i>146,555</i>	<i>139,423</i>	<i>154,743</i>	<i>9.208</i>	<i>401.1</i>
1941-42 . . .	86,985	119,809	84,526	97,107	5.778	251.7
42-43 . . .	152,935	101,303	40,879	98,372	5.854	255.0
43-44 . . .	136,540	155,416	101,171	131,042	7.798	339.7
44-45 . . .	116,944	98,165	82,282	99,131	5.899	256.9
45-46 . . .	162,130	96,687	57,571	105,463	6.275	273.4
1946-47 . . .	172,818	184,501	67,453	141,590	8.425	367.0
47-48 . . .	321,339	189,025	291,164	267,176	15.898	692.5
48-49 . . .	118,189	68,985	193,716	126,963	7.555	329.1
49-50 . . .	136,543	86,656	580,446	267,882	15.940	694.4
50-51 . . .	106,026	359,401	142,968	202,798	12.067	525.7
<i>10 Years' Average</i>	<i>151,045</i>	<i>145,995</i>	<i>164,218</i>	<i>153,752</i>	<i>9.149</i>	<i>398.5</i>
1951-52 . . .	120,290	50,764	45,866	72,306	4.303	187.4
52-53 . . .	68,562	26,622	29,013	41,398	2.463	107.3
53-54 . . .	155,849	148,212	131,562	145,207	8.640	376.4
54-55 . . .	141,043	150,565	164,864	152,157	9.054	394.4
55-56 . . .	262,785	211,350	223,552	232,562	13.838	602.8
1956-57 . . .	193,875	93,149	136,732	141,252	8.405	366.1
57-58 . . .	135,352	185,223	68,588	129,721	7.719	336.2
58-59 . . .	327,946	135,465	145,213	202,875	12.072	525.9
59-60 . . .	364,652	211,519	151,352	242,508	14.430	628.6
60-61 . . .	234,306	301,380	440,432	325,373	19.361	843.4
<i>10 Years' Average</i>	<i>200,466</i>	<i>151,425</i>	<i>153,717</i>	<i>168,536</i>	<i>10.029</i>	<i>436.8</i>
60 Years' Average	167,039	139,541	153,063	153,214	9.117	397.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

<i>River</i> KRISHNA	<i>Site</i> VIJAYAWADA				<i>Month</i> OCTOBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	68,814	45,170	24,195	45,354	2,789	121.5
02-03 . . .	44,345	68,169	45,651	52,494	3,228	140.6
03-04 . . .	521,516	98,522	89,245	231,680	14,245	620.5
04-05 . . .	37,255	56,799	72,844	56,188	3,455	150.5
05-06 . . .	26,758	13,812	53,853	32,196	1,980	86.2
1906-07 . . .	55,609	55,522	28,104	45,821	2,817	122.7
07-08 . . .	160,034	35,366	15,881	68,668	4,222	183.9
08-09 . . .	118,376	27,082	16,424	52,750	3,243	141.3
09-10 . . .	71,385	55,461	17,945	47,286	2,908	126.7
10-11 . . .	244,507	124,911	113,329	159,381	9,800	426.9
<i>10 Years' Average</i>	<i>134,860</i>	<i>58,081</i>	<i>47,747</i>	<i>79,182</i>	<i>4,869</i>	<i>212.1</i>
1911-12 . . .	29,852	29,355	27,157	28,735	1,767	77.0
12-13 . . .	74,683	82,100	57,235	70,884	4,358	189.9
13-14 . . .	48,856	78,109	48,598	58,201	3,579	155.9
14-15 . . .	136,656	45,269	21,480	66,307	4,077	177.6
15-16 . . .	344,841	154,068	69,733	185,683	11,417	497.3
1916-17 . . .	91,458	38,845	204,523	114,606	7,047	307.0
17-18 . . .	207,036	135,540	285,140	211,687	13,016	567.0
18-19 . . .	30,399	13,715	6,612	16,577	1,019	44.4
19-20 . . .	252,012	91,985	46,172	127,351	7,831	341.1
20-21 . . .	70,667	62,604	14,008	47,961	2,949	128.5
<i>10 Years' Average</i>	<i>128,646</i>	<i>73,159</i>	<i>78,066</i>	<i>92,799</i>	<i>5,706</i>	<i>248.6</i>
1921-22 . . .	69,209	196,274	29,011	95,934	5,899	257.0
22-23 . . .	50,140	50,635	30,019	43,160	2,654	115.6
23-24 . . .	84,141	23,863	19,448	41,741	2,567	111.8
24-25 . . .	147,315	40,725	34,335	72,841	4,479	195.1
25-26 . . .	103,115	205,672	30,393	110,393	6,788	295.7
1926-27 . . .	95,087	50,972	20,522	54,398	3,345	145.7
27-28 . . .	168,243	67,825	21,984	83,952	5,162	224.9
28-29 . . .	251,870	91,375	83,638	146,189	8,620	375.5
29-30 . . .	276,266	110,907	31,786	136,174	8,373	364.7
30-31 . . .	118,562	118,072	40,298	90,633	5,573	242.8
<i>10 Years' Average</i>	<i>136,395</i>	<i>95,632</i>	<i>34,083</i>	<i>86,942</i>	<i>5,346</i>	<i>232.9</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1931-32 . . .	207,321	160,976	84,468	148,778	9.148	398.5
32-33 . . .	80,452	63,319	165,461	105,090	6.462	281.5
33-34 . . .	112,294	191,430	133,505	145,348	8.937	389.3
34-35 . . .	76,271	45,758	35,751	52,050	3.200	139.4
35-36 . . .	68,349	51,862	84,911	68,907	4.237	184.6
1936-37 . . .	165,759	49,748	51,346	87,738	5.395	235.0
37-38 . . .	210,977	138,834	28,873	123,088	7.568	329.7
38-39 . . .	301,614	195,428	42,311	175,350	10.782	469.7
39-40 . . .	39,798	20,363	120,059	62,008	3.815	166.2
40-41 . . .	67,413	121,752	52,648	79,702	4.901	213.5
<i>10 Years' Average</i>	<i>133,025</i>	<i>103,947</i>	<i>79,933</i>	<i>104,806</i>	<i>6.444</i>	<i>280.7</i>
1941-42 . . .	87,014	69,382	16,366	56,257	3.459	150.7
42-43 . . .	22,426	24,358	20,290	22,292	1.371	59.7
43-44 . . .	176,524	173,513	137,692	161,774	9.947	433.3
44-45 . . .	40,712	70,813	81,946	65,053	4.000	174.2
45-46 . . .	57,715	39,350	49,881	49,011	3.014	131.3
1946-47 . . .	141,342	53,829	16,909	68,958	4.240	184.7
47-48 . . .	167,179	107,357	64,359	111,397	6.850	298.4
48-49 . . .	157,470	112,730	49,346	104,671	6.436	280.4
49-50 . . .	158,984	61,438	176,785	133,834	8.229	358.5
50-51 . . .	119,176	211,727	65,789	130,088	7.999	348.4
<i>10 Years' Average</i>	<i>112,854</i>	<i>92,450</i>	<i>67,936</i>	<i>90,334</i>	<i>5.554</i>	<i>242.0</i>
1951-52 . . .	138,808	117,903	34,224	94,954	5.838	254.3
52-53 . . .	66,689	119,401	52,198	78,551	4.830	210.4
53-54 . . .	150,589	191,186	174,483	172,163	10.586	461.1
54-55 . . .	146,997	51,043	61,512	85,711	5.270	229.6
55-56 . . .	297,078	196,611	170,581	219,783	13.514	588.7
1956-57 . . .	270,840	282,972	130,293	224,882	13.827	602.3
57-58 . . .	51,346	27,288	153,179	79,720	4.902	213.5
58-59 . . .	92,307	111,916	50,039	83,634	5.142	224.0
59-60 . . .	241,291	85,976	33,306	117,388	7.218	314.4
60-61 . . .	248,750	57,145	39,214	112,591	6.923	301.6
<i>10 Years' Average</i>	<i>170,470</i>	<i>124,144</i>	<i>89,902</i>	<i>126,938</i>	<i>7.805</i>	<i>340.0</i>
60 Years' Average	136,042	91,236	66,278	96,833	5.954	259.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M A. F.</i>	<i>T. M. C</i>
1901-02 . . .	23,511	9,758	7,462	13,577	0.808	35.2
02-03 . . .	53,429	40,326	13,926	35,894	2.136	93.0
03-04 . . .	56,756	48,873	23,568	42,999	2.559	111.5
04-05 . . .	23,368	9,506	5,445	12,773	0.760	33.1
05-06 . . .	14,246	5,853	3,413	7,837	0.466	20.3
1906-07 . . .	11,919	10,154	7,086	9,730	0.579	25.2
07-08 . . .	9,493	6,444	6,714	7,550	0.449	19.6
08-09 . . .	11,942	9,104	5,276	8,774	0.522	22.7
09-10 . . .	10,186	9,327	5,410	8,308	0.494	21.5
10-11 . . .	84,809	51,771	25,875	54,152	3.222	140.4
<i>10 Years' Average</i>	<i>29,966</i>	<i>20,092</i>	<i>10,418</i>	<i>20,159</i>	<i>1.200</i>	<i>52.3</i>
1911-12 . . .	10,359	6,356	5,382	7,366	0.438	19.8
12-13 . . .	31,310	11,653	11,398	18,120	1.078	47.0
13-14 . . .	11,689	7,100	4,869	7,886	0.469	20.4
14-15 . . .	12,073	16,904	8,796	12,591	0.749	32.6
15-16 . . .	50,042	52,446	20,666	41,051	2.443	106.4
1916-17 . . .	643,137	270,435	88,585	334,052	19.877	865.9
17-18 . . .	78,969	90,618	106,686	92,091	5.480	238.7
18-19 . . .	5,470	7,511	8,728	7,236	0.431	18.8
19-20 . . .	19,153	83,331	32,796	45,093	2.683	116.9
20-21 . . .	7,115	5,913	3,421	5,483	0.326	14.2
<i>10 Years' Average</i>	<i>86,932</i>	<i>55,227</i>	<i>29,133</i>	<i>57,097</i>	<i>3.398</i>	<i>148.0</i>
1921-22 . . .	81,723	36,882	8,708	42,438	2.525	110.0
22-23 . . .	9,973	165,247	35,367	70,196	4.177	181.9
23-24 . . .	15,466	5,550	4,403	8,473	0.504	22.0
24-25 . . .	16,764	11,309	8,950	12,341	0.734	32.0
25-26 . . .	11,090	8,531	12,383	10,668	0.635	27.7
1926-27 . . .	9,776	7,036	5,639	7,484	0.445	19.4
27-28 . . .	42,451	62,020	26,817	43,762	2.604	113.4
28-29 . . .	47,534	15,524	8,838	23,966	1.426	62.1
29-30 . . .	12,766	10,636	9,167	10,856	0.646	28.1
30-31 . . .	84,177	52,576	15,964	50,906	3.029	131.9
<i>10 Years' Average</i>	<i>33,172</i>	<i>37,531</i>	<i>13,624</i>	<i>28,109</i>	<i>1.673</i>	<i>72.9</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .	72,029	71,879	33,875	59,261	3.526	153.6
32-33 . . .	152,277	105,966	44,076	100,773	5.996	261.2
33-34 . . .	52,887	37,656	49,493	45,012	2.678	116.7
34-35 . . .	83,560	40,959	15,912	46,810	2.785	121.3
35-36 . . .	64,399	23,260	10,746	32,802	1.952	85.0
1936-37 . . .	277,54	43,221	48,102	39,692	2.362	102.9
37-38 . . .	31,604	14,286	7,469	17,786	1.058	46.1
38-39 . . .	19,102	13,394	10,327	14,274	0.849	37.0
39-40 . . .	78,027	22,524	18,296	39,616	2.357	102.7
40-41 . . .	28,566	14,024	11,062	17,884	1.064	46.4
<i>10 Years' Average</i>	<i>61,021</i>	<i>38,717</i>	<i>24,436</i>	<i>41,391</i>	<i>2.463</i>	<i>107.3</i>
1941-42 . . .	7,607	5,082	4,499	5,729	0.341	14.8
42-43 . . .	8,106	5,819	4,660	6,195	0.369	16.1
43-44 . . .	41,254	25,123	18,323	28,233	1.680	73.2
44-45 . . .	131,868	36,365	16,235	61,489	3.659	159.4
45-46 . . .	11,621	11,524	6,525	9,890	0.588	25.6
1946-47 . . .	18,091	67,346	61,649	49,029	2.917	127.1
47-48 . . .	19,386	12,876	12,345	14,869	0.885	38.5
48-49 . . .	38,125	59,526	108,536	68,729	4.090	178.1
49-50 . . .	50,239	19,587	12,076	27,301	1.625	70.8
50-51 . . .	31,147	22,562	10,249	21,319	1.269	55.3
<i>10 Years' Average</i>	<i>35,744</i>	<i>26,581</i>	<i>25,510</i>	<i>29,278</i>	<i>1.742</i>	<i>75.9</i>
1951-52 . . .	18,257	9,489	6,363	11,369	0.677	29.5
52-53 . . .	13,541	6,657	3,781	7,993	0.476	20.7
53-54 . . .	125,683	33,407	14,258	57,783	3.438	149.8
54-55 . . .	30,755	12,189	9,202	17,382	1.034	45.1
55-56 . . .	110,052	37,107	19,978	55,712	3.315	144.4
1956-57 . . .	172,266	165,159	63,911	133,779	7.960	346.8
57-58 . . .	79,964	37,364	35,976	51,101	3.041	132.5
58-59 . . .	12,213	9,436	14,178	11,942	0.711	31.0
59-60 . . .	19,169	17,909	25,069	20,716	1.233	53.7
60-61 . . .	21,541	22,202	16,176	19,973	1.188	51.8
<i>10 Years' Average</i>	<i>60,344</i>	<i>35,092</i>	<i>20,889</i>	<i>38,775</i>	<i>2.307</i>	<i>100.5</i>
60 Years' Average	51,196	35,540	20,668	35,802	2.130	92.8

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month DECEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	4,458	2,783	2,299	3,152	0.194	8.4
02-03 . . .	9,734	71,962	29,442	36,800	2.263	98.6
03-04 . . .	30,302	17,480	7,723	18,154	1.116	48.6
04-05 . . .	3,588	2,881	2,679	3,037	0.187	8.1
05-06 . . .	2,603	2,205	1,958	2,246	0.138	6.0
1906-07 . . .	4,198	3,298	6,378	4,681	0.288	12.5
07-08 . . .	5,168	5,683	3,679	4,806	0.296	12.9
08-09 . . .	3,324	3,053	2,713	3,019	0.186	8.1
09-10 . . .	4,218	3,777	2,881	3,601	0.221	9.6
10-11 . . .	12,698	9,996	7,125	9,849	0.606	26.4
<i>10 Years' Average</i>	<i>29</i>	<i>12,312</i>	<i>6,688</i>	<i>8,934</i>	<i>0.549</i>	<i>23.9</i>
1911-12 . . .	4,892	6,869	4,517	5,397	0.332	14.5
12-13 . . .	12,500	8,930	5,784	8,965	0.551	24.0
13-14 . . .	3,524	2,643	2,693	2,945	0.181	7.9
14-15 . . .	6,664	5,059	6,775	6,186	0.320	16.6
15-16 . . .	10,895	9,166	5,994	8,598	0.529	23.0
1916-17 . . .	5,2439	33,560	28,421	37,826	2.326	101.3
17-18 . . .	39,725	23,757	14,560	25,645	1.577	68.7
18-19 . . .	18,770	12,191	4,416	11,554	0.710	30.9
19-20 . . .	11,378	8,131	7,835	9,073	0.558	24.3
20-21 . . .	2,281	1,949	1,424	1,870	0.115	5.0
<i>10 Years' Average</i>	<i>16,307</i>	<i>11,226</i>	<i>8,242</i>	<i>11,806</i>	<i>0.726</i>	<i>31.6</i>
1921-22 . . .	5,880	4,171	2,761	4,222	0.260	11.3
22-23 . . .	39,769	13,562	4,197	18,693	1.149	50.1
23-24 . . .	3,056	1,996	1,838	2,282	0.140	6.1
24-25 . . .	5,519	3,757	3,140	4,107	0.253	11.0
25-26 . . .	6,038	3,900	4,638	4,852	0.298	13.0
1926-27 . . .	4,148	2,596	1,644	2,759	0.170	7.4
27-28 . . .	9,353	5,008	4,031	6,063	0.373	16.2
28-29 . . .	6,780	6,004	3,934	5,520	0.339	14.8
29-30 . . .	5,174	3,644	3,046	3,925	0.241	10.5
30-31 . . .	8,831	5,015	3,177	5,594	0.344	15.0
<i>10 Years' Average</i>	<i>9,455</i>	<i>4,965</i>	<i>3,241</i>	<i>5,802</i>	<i>0.357</i>	<i>15.5</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month DECEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.</i>
1931-32 . . .	15,045	10,330	10,106	11,771	0.724	31.5
32-33 . . .	22,837	14,721	8,006	14,956	0.920	40.1
33-34 . . .	17,032	11,045	17,223	15,168	0.933	40.6
34-35 . . .	9,227	6,033	5,661	6,935	0.426	18.6
35-36 . . .	6,772	5,182	4,398	5,417	0.333	14.5
1936-37 . . .	13,682	5,257	4,245	7,616	0.468	20.4
37-38 . . .	4,609	3,208	2,783	3,509	0.216	9.4
38-39 . . .	6,213	4,448	3,551	4,699	0.289	12.6
39-40 . . .	8,354	4,912	3,474	5,512	0.339	14.8
40-41 . . .	9,295	9,120	6,999	8,424	0.518	22.6
<i>10 Years' Average</i>	<i>11,307</i>	<i>7,426</i>	<i>6,645</i>	<i>8,401</i>	<i>0.517</i>	<i>22.5</i>
1941-42 . . .	3,747	3,172	1,751	2,853	0.175	7.6
42-43 . . .	3,439	3,645	3,089	3,381	0.208	9.1
43-44 . . .	11,462	7,496	5,908	8,211	0.505	22.0
44-45 . . .	9,204	5,063	3,973	6,012	0.370	16.1
45-46 . . .	4,780	2,936	2,441	3,355	0.206	9.0
1946-47 . . .	25,308	11,098	6,785	14,151	0.870	37.9
47-48 . . .	6,468	6,375	5,949	6,254	0.385	16.8
48-49 . . .	59,363	18,219	11,149	28,983	1.782	77.6
49-50 . . .	8,416	5,630	4,155	6,005	0.369	16.1
50-51 . . .	6,326	4,432	4,163	4,947	0.304	13.3
<i>10 Years' Average</i>	<i>13,851</i>	<i>6,807</i>	<i>4,936</i>	<i>8,415</i>	<i>0.517</i>	<i>22.5</i>
1951-52 . . .	6,659	5,056	2,896	4,807	0.296	12.9
52-53 . . .	2,571	4,152	5,834	4,239	0.261	11.4
53-54 . . .	11,164	8,638	5,704	8,412	0.517	22.5
54-55 . . .	8,751	6,826	4,824	6,737	0.414	18.0
55-56 . . .	13,687	9,844	7,638	10,301	0.633	27.6
1956-57 . . .	54,882	23,991	17,322	31,590	1.942	84.6
57-58 . . .	16,405	11,166	8,613	11,950	0.735	32.0
58-59 . . .	9,342	8,463	5,106	7,556	0.465	20.2
59-60 . . .	10,883	8,637	6,533	8,615	0.530	23.1
60-61 . . .	9,829	8,847	10,084	9,603	0.590	25.7
<i>10 Years' Average</i>	<i>14,417</i>	<i>9,562</i>	<i>7,455</i>	<i>10,381</i>	<i>0.638</i>	<i>27.8</i>
60 Years' Average	12,228	8,716	6,201	8,956	0.551	24.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month JANUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	1,900	1,621	1,400	1,632	0.100	4.4
02-03 . . .	10,318	7,231	5,052	7,450	0.458	20.0
03-04 . . .	5,081	3,557	2,302	3,603	0.222	9.7
04-05 . . .	2,077	1,794	1,703	1,853	0.114	5.0
05-06 . . .	1,720	1,397	1,535	1,550	0.095	4.2
1906-07 . . .	16,247	5,080	2,872	7,899	0.486	21.2
07-08 . . .	3,419	3,465	2,376	3,064	0.188	8.2
08-09 . . .	2,592	2,322	2,023	2,303	0.142	6.2
09-10 . . .	2,617	1,544	1,090	1,729	0.106	4.6
10-11 . . .	5,586	4,675	4,031	4,740	0.291	12.7
<i>10 Years' Average</i>	<i>5,156</i>	<i>3,269</i>	<i>2,438</i>	<i>3,582</i>	<i>0.220</i>	<i>9.6</i>
1911-12 . . .	1,349	762	209	755	0.047	2.0
12-13 . . .	4,535	2,846	823	2,673	0.164	7.2
13-14 . . .	669	Nil	Nil	216	0.013	0.6
14-15 . . .	10,018	6,162	8,849	8,360	0.514	22.4
15-16 . . .	5,616	6,054	4,061	5,205	0.320	13.9
1916-17 . . .	23,681	18,654	12,913	18,238	1.121	48.8
17-18 . . .	9,865	8,548	8,339	8,899	0.547	23.8
18-19 . . .	2,430	1,337	1,382	1,706	0.104	4.6
19-20 . . .	4,312	3,458	3,113	3,611	0.222	9.7
20-21 . . .	1,124	910	1,031	1,022	0.063	2.7
<i>10 Years' Average</i>	<i>6,360</i>	<i>4,873</i>	<i>4,072</i>	<i>5,068</i>	<i>0.312</i>	<i>13.6</i>
1921-22 . . .	3,030	4,360	3,127	3,493	0.215	9.4
22-23 . . .	3,323	2,205	1,587	2,346	0.144	6.3
23-24 . . .	1,241	1,138	855	1,071	0.066	2.9
24-25 . . .	2,399	1,476	1,176	1,667	0.102	4.5
25-26 . . .	2,905	1,667	1,357	1,956	0.120	5.2
1926-27 . . .	1,299	1,086	856	1,073	0.066	2.9
27-28 . . .	3,514	2,065	1,450	2,314	0.142	6.2
28-29 . . .	3,854	2,811	2,156	2,915	0.179	7.8
29-30 . . .	1,704	1,175	763	1,199	0.074	3.2
30-31 . . .	2,793	2,336	1,423	2,160	0.133	5.8
<i>10 Years' Average</i>	<i>2,606</i>	<i>2,032</i>	<i>1,475</i>	<i>2,019</i>	<i>0.124</i>	<i>5.4</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

river KRISHNA

Site VIJAYAWADA

Month JANUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M A. F.	T. M. C.
1931-32 . . .	7,266	3,898	3,432	4,819	0.296	12.9
32-33 . . .	6,774	5,025	4,119	5,268	0.324	14.1
33-34 . . .	15,369	6,872	4,963	8,936	0.549	23.9
34-35 . . .	4,407	3,744	3,074	3,720	0.229	10.0
35-36 . . .	(3,135)	(3,135)	(3,135)	3,135	0.193	8.4
1936-37 . . .	3,197	2,678	1,799	2,534	0.156	6.8
37-38 . . .	2,539	1,729	1,355	1,858	0.114	5.0
38-39 . . .	3,936	3,322	2,382	3,187	0.196	8.5
39-40 . . .	2,506	2,159	1,714	2,114	0.130	5.7
40-41 . . .	4,604	5,434	6,977	5,714	0.351	15.3
10 Years' Average	5,373	3,800	3,295	4,128	0.254	11.1
1941-42 . . .	1,518	2,099	1,660	1,756	0.108	4.7
42-43 . . .	9,454	4,866	3,682	5,926	0.364	15.9
43-44 . . .	5,789	4,934	4,576	5,083	0.313	13.6
44-45 . . .	3,152	2,462	2,260	2,612	0.161	7.0
45-46 . . .	1,958	1,677	1,616	1,746	0.107	4.7
1946-47 . . .	4,141	6,597	3,659	4,762	0.293	12.8
47-48 . . .	4,648	3,133	2,675	3,459	0.213	9.3
48-49 . . .	6,922	4,798	4,468	5,366	0.330	14.4
49-50 . . .	3,900	3,675	3,545	3,701	0.228	9.9
50-51 . . .	3,281	2,712	2,022	2,651	0.163	7.1
10 Years' Average	4,476	3,695	3,016	3,706	0.228	9.9
1951-52 . . .	1,808	1,111	1,211	1,371	0.084	3.7
52-53 . . .	1,719	1,138	834	1,217	0.075	3.3
53-54 . . .	5,645	4,706	4,369	4,889	0.301	13.1
54-55 . . .	6,409	5,198	3,365	4,938	0.304	13.2
55-56 . . .	5,481	5,235	5,334	5,350	0.329	14.3
1956-57 . . .	11,980	10,462	9,002	10,434	0.642	27.9
57-58 . . .	6,506	5,328	4,505	5,416	0.333	14.5
58-59 . . .	5,365	3,589	4,031	4,319	0.266	11.6
59-60 . . .	5,406	5,301	7,344	6,060	0.373	16.2
60-61 . . .	7,505	4,447	4,128	5,320	0.327	14.2
10 Years' Average	5,782	4,652	4,412	4,931	0.303	13.2
60 Years' Average	4,959	3,720	3,118	3,906	0.240	10.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month FEBRUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	1,186	1,527	922	1,233	0.068	3.0
02-03 . . .	2,667	2,166	1,505	2,156	0.120	5.2
03-04 . . .	2,032	1,704	1,556	1,774	0.102	4.4
04-05 . . .	806	216	201	423	0.023	1.0
05-06 . . .	1,904	2,557	1,468	2,013	0.112	4.9
1906-07 . . .	1,843	1,610	1,392	1,631	0.091	3.9
07-08 . . .	1,730	1,439	1,245	1,483	0.085	3.7
08-09 . . .	1,637	1,507	1,346	1,508	0.084	3.6
09-10 . . .	186	Nil	Nil	67	0.004	0.2
10-11 . . .	2,928	2,471	1,597	2,385	0.132	5.8
<i>10 Years' Average</i>	<i>1,692</i>	<i>1,520</i>	<i>1,123</i>	<i>1,467</i>	<i>0.081</i>	<i>3.5</i>
1911-12 . . .	Nil	Nil	Nil	Nil	Nil	Nil
12-13 . . .	637	54	Nil	247	0.014	0.6
13-14 . . .	Nil	Nil	Nil	Nil	Nil	Nil
14-15 . . .	5,555	2,672	2,282	3,590	0.199	8.7
15-16 . . .	2,770	2,319	2,657	2,579	0.148	6.5
1916-17 . . .	12,397	11,677	7,820	10,832	0.602	26.2
17-18 . . .	6,329	4,734	3,866	5,056	0.281	12.2
18-19 . . .	1,025	640	386	706	0.039	1.7
19-20 . . .	2,718	2,039	1,554	2,123	0.122	5.3
20-21 . . .	695	620	535	622	0.035	1.5
<i>10 Years' Average</i>	<i>3,213</i>	<i>2,476</i>	<i>1,910</i>	<i>2,576</i>	<i>0.143</i>	<i>6.2</i>
1921-22 . . .	1,515	1,313	1,013	1,299	0.072	3.1
22-23 . . .	1,299	1,067	903	1,103	0.061	2.7
23-24 . . .	594	399	319	441	0.025	1.1
24-25 . . .	889	682	492	702	0.039	1.7
25-26 . . .	1,772	2,782	1,340	2,009	0.112	4.9
1926-27 . . .	574	575	318	501	0.02	1.28
27-28 . . .	1,284	2,358	1,633	1,763	0.101	4.4
28-29 . . .	1,790	1,811	1,547	1,728	0.096	4.2
29-30 . . .	367	243	116	251	0.014	0.6
30-31 . . .	916	531	227	582	0.032	1.4
<i>10 Years' Average</i>	<i>1,100</i>	<i>1,176</i>	<i>791</i>	<i>1,038</i>	<i>0.058</i>	<i>2.5</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .	2,393	1,683	2,838	2,286	0.131	5.7
32-33 . . .	3,464	2,768	2,349	2,897	0.161	7.0
33-34 . . .	4,460	3,305	2,601	3,516	0.195	8.5
34-35 . . .	3,863	3,748	2,141	3,330	0.185	8.1
35-36 . . .	(3,708)	(3,708)	(3,708)	3,708	0.213	9.3
1936-37 . . .	1,592	2,186	3,398	2,320	0.129	5.6
37-38 . . .	1,060	825	528	824	0.046	2.0
38-39 . . .	2,141	1,351	1,108	1,564	0.087	3.8
39-40 . . .	1,283	964	785	1,027	0.059	2.6
40-41 . . .	4,626	3,131	1,986	3,338	0.185	8.1
<i>10 Years' Average</i>	<i>2,859</i>	<i>2,367</i>	<i>2,144</i>	<i>2,481</i>	<i>0.139</i>	<i>6.1</i>
1941-42 . . .	1,415	1,146	1,192	1,255	0.070	3.0
42-43 . . .	3,125	2,400	1,983	2,540	0.141	6.1
43-44 . . .	3,644	2,664	2,222	2,865	0.165	7.2
44-45 . . .	1,796	1,447	1,028	1,452	0.081	3.5
45-46 . . .	841	818	737	803	0.045	1.9
1946-47 . . .	2,583	2,166	1,778	2,204	0.122	5.3
47-48 . . .	2,143	1,587	1,355	1,706	0.098	4.3
48-49 . . .	3,674	2,950	2,251	3,009	0.167	7.3
49-50 . . .	2,684	2,107	1,692	2,195	0.122	5.3
50-51 . . .	1,652	1,320	1,057	1,363	0.076	3.3
<i>10 Years' Average</i>	<i>2,356</i>	<i>1,861</i>	<i>1,530</i>	<i>1,939</i>	<i>0.109</i>	<i>4.7</i>
1951-52 . . .	1,220	794	714	916	0.053	2.3
52-53 . . .	840	457	427	585	0.032	1.4
53-54 . . .	3,359	3,135	4,492	3,603	0.200	8.7
54-55 . . .	5,066	4,598	4,798	4,822	0.268	11.7
55-56 . . .	5,255	4,756	4,151	4,740	0.273	11.9
1956-57 . . .	7,659	7,967	6,242	7,364	0.409	17.8
57-58 . . .	4,075	5,432	5,538	4,978	0.276	12.0
58-59 . . .	5,625	7,960	6,598	6,737	0.374	16.3
59-60 . . .	6,893	7,295	7,173	7,119	0.409	17.8
60-61 . . .	7,091	7,326	5,249	6,648	0.369	16.1
<i>10 Years' Average</i>	<i>4,708</i>	<i>4,972</i>	<i>4,538</i>	<i>4,751</i>	<i>0.266</i>	<i>11.6</i>
60 Years' Average	2,655	2,395	2,006	2,375	0.133	5.8

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	634	602	585	606	0.037	1.6
02-03 . . .	1,189	1,081	891	1,048	0.064	2.8
03-04 . . .	1,160	1,024	649	935	0.057	2.5
04-05 . . .	137	145	175	153	0.009	0.4
05-06 . . .	1,275	968	590	933	0.057	2.5
1906-07 . . .	1,347	880	1,190	1,141	0.070	3.1
07-08 . . .	1,204	789	654	875	0.054	2.3
08-09 . . .	1,260	1,092	813	1,047	0.064	2.8
09-10 . . .	Nil	Nil	Nil	Nil	Nil	Nil
10-11 . . .	705	735	846	764	0.047	2.0
<i>10 Years' Average</i>	<i>891</i>	<i>732</i>	<i>639</i>	<i>750</i>	<i>0.046</i>	<i>2.0</i>
1911-12 . . .	Nil	Nil	9	3	Nil	Nil
12-13 . . .	Nil	Nil	Nil	Nil	Nil	Nil
13-14 . . .	Nil	Nil	Nil	Nil	Nil	Nil
14-15 . . .	5,683	4,934	2,899	4,465	0.275	12.0
15-16 . . .	3,461	2,873	301	2,140	0.132	5.7
1916-17 . . .	5,269	3,131	2,983	3,768	0.232	10.1
17-18 . . .	3,200	1,455	1,643	2,083	0.128	5.6
18-19 . . .	267	94	243	203	0.012	0.5
19-20 . . .	861	403	215	484	0.030	1.3
20-21 . . .	639	536	577	584	0.036	1.6
<i>10 Years' Average</i>	<i>1,938</i>	<i>1,346</i>	<i>887</i>	<i>1,373</i>	<i>0.084</i>	<i>3.7</i>
1921-22 . . .	676	301	69	340	0.021	0.9
22-23 . . .	2,005	1,484	1,078	1,508	0.093	4.0
23-24 . . .	242	160	40	144	0.009	0.4
24-25 . . .	393	340	305	345	0.021	0.9
25-26 . . .	1,635	2,760	341	1,539	0.095	4.1
1926-27 . . .	222	207	213	214	0.013	0.6
27-28 . . .	1,179	716	660	846	0.052	2.3
28-29 . . .	1,235	925	915	1,021	0.063	2.7
29-30 . . .	Nil	Nil	421	149	0.009	0.4
30-31 . . .	114	572	204	294	0.018	0.8
<i>10 Years' Average</i>	<i>770</i>	<i>746</i>	<i>425</i>	<i>640</i>	<i>0.039</i>	<i>1.7</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusces)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. O</i>
1931-32 . . .	1,324	1,233	998	1,179	0.072	3.2
32-33 . . .	2,293	1,898	1,279	1,806	0.111	4.8
33-34 . . .	2,211	1,876	1,626	1,896	0.117	5.1
34-35 . . .	1,500	1,310	730	1,166	0.072	3.1
35-36 . . .	(1,735)	(1,735)	(1,735)	1,735	0.107	4.6
1936-37 . . .	1,494	819	641	974	0.060	2.6
37-38 . . .	362	148	139	214	0.013	0.6
38-39 . . .	644	437	671	587	0.036	1.6
39-40 . . .	519	338	519	461	0.028	1.2
40-41 . . .	1,576	918	426	956	0.059	2.6
<i>10 Years' Average</i>	<i>1,366</i>	<i>1,071</i>	<i>876</i>	<i>1,097</i>	<i>0.068</i>	<i>2.9</i>
1941-42 . . .	1,203	1,210	323	891	0.055	2.4
42-43 . . .	575	585	748	640	0.039	1.7
43-44 . . .	1,867	1,644	3,853	2,500	0.154	6.7
44-45 . . .	804	744	722	755	0.046	2.0
45-46 . . .	653	757	552	651	0.040	1.7
1946-47 . . .	1,016	951	1,341	1,110	0.068	3.0
47-48 . . .	1,147	760	944	950	0.058	2.5
48-49 . . .	1,667	1,295	955	1,294	0.080	3.5
49-50 . . .	1,270	1,089	1,032	1,127	0.069	3.0
50-51 . . .	767	603	667	679	0.042	1.8
<i>10 Years' Average</i>	<i>1,097</i>	<i>964</i>	<i>1,114</i>	<i>1,060</i>	<i>0.065</i>	<i>2.8</i>
1951-52 . . .	558	450	446	484	0.030	1.3
52-53 . . .	133	138	158	143	0.009	0.4
53-54 . . .	4,044	6,388	7,700	6,097	0.375	16.3
54-55 . . .	6,124	6,011	6,065	6,067	0.373	16.2
55-56 . . .	3,932	3,686	3,347	3,645	0.224	9.8
1956-57 . . .	7,394	8,097	6,807	7,413	0.456	19.9
57-58 . . .	4,706	4,088	3,212	3,976	0.244	10.6
58-59 . . .	4,681	3,685	3,423	3,913	0.241	10.5
59-60 . . .	7,039	6,971	7,496	7,179	0.441	19.2
60-61 . . .	5,026	5,438	4,444	4,962	0.304	13.3
<i>10 Years' Average</i>	<i>4,364</i>	<i>4,495</i>	<i>4,310</i>	<i>4,386</i>	<i>0.270</i>	<i>11.7</i>
60 Years' Average	1,738	1,559	1,375	1,551	0.095	4.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month APRIL

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02	517	190	192	299	0.018	0.8
02-03	680	642	509	610	0.036	1.6
03-04	473	388	361	407	0.024	1.1
04-05	57	109	121	96	0.006	0.2
05-06	236	135	122	164	0.010	0.4
1906-07	1,074	583	870	841	0.050	2.2
07-08	905	734	550	729	0.043	1.9
08-09	1,426	823	1,064	1,104	0.066	2.9
09-10	626	253	119	333	0.020	0.9
10-11	674	477	247	466	0.028	1.2
<i>10 Years' Average</i>	<i>667</i>	<i>433</i>	<i>416</i>	<i>505</i>	<i>0.030</i>	<i>1.3</i>
1911-12	137	Nil	Nil	46	0.003	0.1
12-13	288	472	112	291	0.017	0.8
13-14	730	2,313	135	1,059	0.063	2.7
14-15	1,231	508	389	709	0.042	1.8
15-16	481	245	192	306	0.018	0.8
1916-17	2,051	2,563	1,902	2,172	0.129	5.6
17-18	1,168	1,305	901	1,125	0.067	2.9
18-19	947	Nil	380	442	0.026	1.1
19-20	77	766	260	368	0.022	1.0
20-21	Nil	Nil	113	38	0.002	0.1
<i>10 Years' Average</i>	<i>711</i>	<i>817</i>	<i>438</i>	<i>656</i>	<i>0.039</i>	<i>1.7</i>
1921-22	97	165	68	110	0.007	0.3
22-23	1,058	2,228	1,701	1,662	0.099	4.3
23-24	52	Nil	Nil	17	0.001	Nil
24-25	363	356	1,896	871	0.052	2.3
25-26	1,226	876	169	757	0.045	2.0
1926-27	185	Nil	Nil	62	0.004	0.2
27-28	767	716	558	680	0.040	1.8
28-29	701	640	608	650	0.039	1.7
29-30	237	256	144	212	0.013	0.6
30-31	314	261	150	253	0.015	0.7
<i>10 Years' Average</i>	<i>500</i>	<i>550</i>	<i>529</i>	<i>527</i>	<i>0.031</i>	<i>1.4</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VJAYAWADA**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusces)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. O</i>
1931-32 . . .	930	661	726	776	0.046	2.0
32-33 . . .	1,088	1,218	6,290	2,865	0.170	7.4
33-34 . . .	1,137	1,110	1,595	1,281	0.076	3.3
34-35 . . .	1,177	2,699	1,610	1,829	0.109	4.7
35-36 . . .	1,934	2,904	1,098	1,979	0.118	5.1
1936-37 . . .	576	3,145	17,836	7,186	0.428	18.6
37-38 . . .	756	2,847	1,317	1,640	0.098	4.3
38-39 . . .	537	302	249	362	0.022	0.9
39-40 . . .	314	261	275	284	0.017	0.7
40-41 . . .	160	397	292	283	0.017	0.7
<i>10 Years' Average</i>	<i>861</i>	<i>1,554</i>	<i>3,129</i>	<i>1,849</i>	<i>0.110</i>	<i>4.8</i>
1941-42 . . .	467	224	276	322	0.019	0.8
42-43 . . .	138	231	83	150	0.009	0.4
43-44 . . .	2,958	1,339	760	1,686	0.100	4.4
44-45 . . .	282	1,184	1,287	918	0.055	2.4
45-46 . . .	133	371	379	294	0.017	0.8
1946-47 . . .	366	112	Nil	159	0.009	0.4
47-48 . . .	911	1,092	1,791	1,265	0.075	3.3
48-49 . . .	886	420	Nil	436	0.026	1.1
49-50 . . .	971	538	Nil	503	0.030	1.3
50-51 . . .	2,076	1,033	Nil	1,036	0.062	2.7
<i>10 Years' Average</i>	<i>919</i>	<i>654</i>	<i>458</i>	<i>677</i>	<i>0.040</i>	<i>1.8</i>
1951-52 . . .	249	282	168	233	0.014	0.6
52-53 . . .	145	269	1,234	549	0.033	1.4
53-54 . . .	6,572	1,593	1,572	3,245	0.193	8.4
54-55 . . .	6,174	4,789	2,350	4,438	0.264	11.5
55-56 . . .	5,032	5,465	5,187	5,228	0.311	13.6
1956-57 . . .	6,645	6,201	5,505	6,117	0.364	15.9
57-58 . . .	4,713	3,801	3,824	4,113	0.245	10.7
58-59 . . .	5,067	6,022	5,680	5,589	0.333	14.5
59-60 . . .	5,918	4,661	4,297	4,956	0.295	12.8
60-61 . . .	3,870	5,468	4,162	4,500	0.268	11.7
<i>10 Years Average</i>	<i>4,438</i>	<i>3,854</i>	<i>3,398</i>	<i>3,897</i>	<i>0.232</i>	<i>10.1</i>
<i>60 Years' Average</i>	<i>1,349</i>	<i>1,310</i>	<i>1,395</i>	<i>1,352</i>	<i>0.080</i>	<i>3.5</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA

Month MAY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1901-02 . . .	143	310	753	413	0.025	1.1
02-03 . . .	421	641	865	650	0.040	1.7
03-04 . . .	311	279	989	541	0.033	1.4
04-05 . . .	73	421	1,508	694	0.043	1.9
05-06 . . .	108	48	Nil	51	0.003	0.1
1906-07 . . .	14,388	4,866	1,747	6,831	0.420	18.3
07-08 . . .	Nil	62	307	123	0.008	0.3
08-09 . . .	686	662	3,291	1,603	0.099	4.3
09-10 . . .	31	Nil	Nil	10	0.001	Nil
10-11 . . .	149	104	159	138	0.008	0.4
<i>10 Years' Average</i>	<i>1,631</i>	<i>739</i>	<i>962</i>	<i>1,105</i>	<i>0.068</i>	<i>3.0</i>
1911-12 . . .	Nil	2,175	847	1,002	0.062	2.7
12-13 . . .	Nil	Nil	1,426	506	0.031	1.4
13-14 . . .	167	272	40	156	0.010	0.4
14-15 . . .	690	942	4,590	2,155	0.133	5.8
15-16 . . .	113	57	74	81	0.005	0.2
1916-17 . . .	1,504	1,297	956	1,243	0.076	3.3
17-18 . . .	512	1,155	20,678	7,875	0.484	21.1
18-19 . . .	1,820	4,106	841	2,210	0.136	5.9
19-20 . . .	9	30	849	314	0.019	0.8
20-21 . . .	1,754	640	122	816	0.050	2.2
<i>10 Years' Average</i>	<i>657</i>	<i>1,067</i>	<i>3,042</i>	<i>1,636</i>	<i>0.101</i>	<i>4.4</i>
1921-22 . . .	61	38	1,373	519	0.032	1.4
22-23 . . .	727	457	500	559	0.034	1.5
23-24 . . .	Nil	236	105	113	0.007	0.3
24-25 . . .	1,373	39,608	15,565	18,743	1.152	50.2
25-26 . . .	182	377	2,891	1,206	0.074	3.2
1926-27 . . .	Nil	Nil	163	58	0.004	0.2
27-28 . . .	436	82	958	507	0.031	1.4
28-29 . . .	1,790	4,672	2,650	3,025	0.186	8.1
29-30 . . .	138	Nil	Nil	44	0.003	0.1
30-31 . . .	Nil	Nil	924	328	0.020	0.9
<i>10 Years' Average</i>	<i>471</i>	<i>4,547</i>	<i>2,513</i>	<i>2,510</i>	<i>0.154</i>	<i>6.7</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 8

River **KRISHNA**

Site **VIJAYAWADA**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1931-32 . . .	128	253	707	374	0.023	1.0
32-33 . . .	3,945	8,229	21,829	11,673	0.718	31.3
33-34 . . .	2,500	606	358	1,129	0.069	3.0
34-35 . . .	807	460	20	416	0.026	1.1
35-36 . . .	607	Nil	3,504	1,439	0.088	3.9
1936-37 . . .	12,424	3,009	1,222	5,412	0.333	14.5
37-38 . . .	724	414	151	421	0.026	1.1
38-39 . . .	83	Nil	Nil	27	0.002	0.1
39-40 . . .	426	2,336	75,423	27,654	1.700	74.1
40-41 . . .	22	508	1,856	829	0.051	2.2
<i>10 Years' Average</i>	<i>2,167</i>	<i>1,582</i>	<i>10,507</i>	<i>4,937</i>	<i>0.304</i>	<i>13.2</i>
1941-42 . . .	569	681	519	588	0.036	1.6
42-43 . . .	29	70	61,708	21,928	1.348	58.7
43-44 . . .	642	344	220	396	0.024	1.1
44-45 . . .	947	602	66	523	0.032	1.4
45-46 . . .	422	310	377	376	0.023	1.0
1946-47 . . .	Nil	44	27	23	0.001	0.1
47-48 . . .	1,775	8,256	6,496	5,540	0.341	14.8
48-49 . . .	Nil	Nil	304	108	0.007	0.3
49-50 . . .	Nil	Nil	514	182	0.011	0.5
50-51 . . .	Nil	Nil	306	108	0.007	0.3
<i>10 Years' Average</i>	<i>438</i>	<i>1,030</i>	<i>7,054</i>	<i>2,977</i>	<i>0.183</i>	<i>8.0</i>
1951-52 . . .	95	Nil	104,901	37,253	2.291	99.8
52-53 . . .	Nil	Nil	211	75	0.005	0.2
53-54 . . .	1,998	1,416	2,188	1,878	0.115	5.0
54-55 . . .	4,544	2,510	14,097	7,278	0.448	19.5
55-56 . . .	6,699	6,185	7,423	6,790	0.418	18.2
1956-57 . . .	5,642	3,191	6,256	5,069	0.312	13.6
57-58 . . .	5,637	8,693	9,842	8,114	0.499	21.7
58-59 . . .	4,932	7,805	6,979	6,585	0.405	17.6
59-60 . . .	5,457	5,568	12,659	8,048	0.495	21.6
60-61 . . .	3,856	8,856	10,859	7,954	0.489	21.3
<i>10 Years' Average</i>	<i>3,886</i>	<i>4,422</i>	<i>17,542</i>	<i>8,904</i>	<i>0.548</i>	<i>23.8</i>
60 Years' Average	1,542	2,231	6,937	3,678	0.226	9.9

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 9

River **KOYNA**

Site **JALKEWADI**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1949-50 . . .	590	254	1,196	680	0.040	1.8
50-51 . . .	(Nil)	110	305	138	0.008	0.4
1951-52 . . .	(Nil)	916	12,094	4,337	0.258	11.2
52-53 . . .	116	424	5,791	2,110	0.126	5.5
53-54 . . .	(Nil)	719	18,035	6,251	0.372	16.2
54-55 . . .	391	1,137	1,665	1,065	0.063	2.8
55-56 . . .	317	344	9,723	3,461	0.206	9.0
1956-57 . . .	525	1,482	9,064	3,690	0.220	9.6
57-58 . . .	195	400	8,504	3,033	0.180	7.9
58-59 . . .	(Nil)	124	6,320	2,148	0.128	5.6
59-60 . . .	482	614	6,557	2,551	0.152	6.6
60-61 . . .	451	1,394	13,583	5,143	0.306	13.3
12 Years' Average	256	660	7,736	2,884	0.172	7.5

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 9

River **KOYNA**

Site **JALKEWADI**

Month **JULY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	4,010	28,588	13,418	15,276	0.939	40.9
50-51 . . .	1,957	31,128	35,655	23,325	1.434	62.5
1951-52 . . .	3,439	6,282	26,649	12,592	0.774	33.7
52-53 . . .	3,569	14,503	38,132	19,360	1.190	51.9
53-54 . . .	33,275	13,546	4,924	16,851	1.036	45.1
54-55 . . .	24,991	38,967	8,198	23,541	1.447	63.1
55-56 . . .	16,842	12,198	9,665	12,797	0.787	34.3
1956-57 . . .	34,835	24,977	20,139	26,440	1.626	70.8
57-58 . . .	12,708	33,368	13,707	19,727	1.213	52.8
58-59 . . .	21,231	47,530	15,423	27,654	1.700	74.1
59-60 . . .	33,404	67,933	34,478	44,923	2.762	120.3
60-61 . . .	34,561	5,926	20,738	20,419	1.256	54.7
12 Years' Average	18,735	27,072	20,094	21,909	1.347	58.7

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 9

River **KOYNA**

Site **JALKEWADI**

Month **AUGUST**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	24,752	10,177	3,794	12,614	0.776	33.8
50-51 . . .	15,484	6,558	1,615	7,684	0.472	20.6
1951-52 . . .	25,160	11,616	7,402	14,490	0.891	38.8
52-53 . . .	23,698	12,440	8,649	14,727	0.906	39.4
53-54 . . .	26,350	30,256	8,924	21,426	1.317	57.4
54-55 . . .	34,540	12,966	3,854	16,692	1.026	44.7
55-56 . . .	14,194	17,424	19,228	17,022	1.047	45.6
1956-57 . . .	40,118	20,377	6,168	21,703	1.334	58.1
57-58 . . .	17,483	14,507	17,798	16,635	1.023	44.6
58-59 . . .	8,534	12,546	18,694	13,433	0.826	36.0
59-60 . . .	17,335	6,927	19,540	14,760	0.908	39.5
60-61 . . .	23,824	15,526	8,508	15,713	0.966	42.1
12 Years' Average	22,623	14,277	10,348	15,575	0.958	41.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 9

<i>River</i> KOYNA	<i>Site</i> JALKEWADI				<i>Month</i> SEPTEMBER	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T M. C</i>
1949-50 . . .	6,438	4,151	11,749	7,446	0.443	19.3
50-51 . . .	9,183	4,851	3,918	5,984	0.356	15.5
1951-52 . . .	2,692	1,826	636	1,718	0.102	4.5
52-53 . . .	2,521	1,012	603	1,379	0.082	3.6
53-54 . . .	3,830	3,184	1,500	2,838	0.169	7.4
54-55 . . .	14,266	8,128	6,967	9,787	0.582	25.4
55-56 . . .	23,799	2,852	2,569	9,740	0.580	25.2
1956-57 . . .	5,842	2,820	4,498	4,387	0.261	11.4
57-58 . . .	2,949	5,883	1,754	3,528	0.210	9.1
58-59 . . .	11,937	6,540	1,951	6,810	0.405	17.7
59-60 . . .	23,042	7,414	3,697	11,385	0.677	29.5
60-61 . . .	4,328	2,919	4,080	3,776	0.225	9.8
12 Years' Average	9,236	4,298	3,660	5,732	0.341	14.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 9

River KOYNA

Site JALKEWADI

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	2,128	784	507	1,120	0.069	3.0
50-51 . . .	2,727	1,763	587	1,657	0.102	4.4
1951-52 . . .	(700)	(550)	(350)	(527)	(0.032)	(1.4)
52-53 . . .	724	559	358	541	0.033	1.4
53-54 . . .	2,086	1,374	787	1,396	0.086	3.7
54-55 . . .	3,269	1,166	962	1,772	0.109	4.7
55-56 . . .	14,980	1,679	1,579	5,934	0.365	15.9
1956-57 . . .	5,496	2,554	1,093	2,985	0.184	8.0
57-58 . . .	1,160	803	907	955	0.059	2.6
58-59 . . .	1,629	1,224	936	1,299	0.080	3.5
59-60 . . .	2,369	2,753	1,369	2,138	0.131	5.7
60-61 . . .	2,384	1,680	1,057	1,686	0.104	4.5
12 Years' Average	3,304	1,407	874	1,834	0.113	4.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

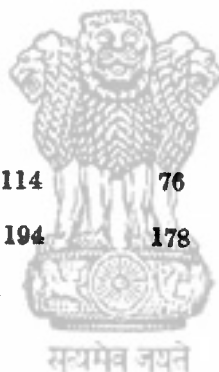
SERIAL No. 9

River KOYNA

Site JALKEWADI

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	297	223	192	238	0.014	0.6
50-51 . . .						
1951-52 . . .						
52-53 . . .	161	114	76	110	0.007	0.3
53-54 . . .	326	194	178	233	0.014	0.6
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .						
59-60 . . .						
60-61 . . .	376	182	134	231	0.014	0.6



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

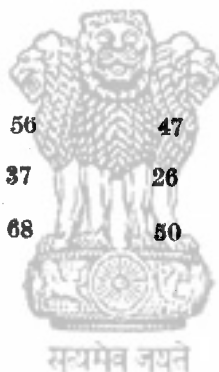
SERIAL No. 9

River **KOYNA**

Site **JAIKEWADI**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A F.</i>	<i>T. M. C.</i>
1949-50 . . .	157	141	128	141	0.009	0.4
50-51 . . .						
1951-52 . . .	66	56	47	57	0.004	0.2
52-53 . . .	51	37	26	38	0.002	0.1
53-54 . . .	99	68	50	71	0.004	0.2
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .						
59-60 . . .						
60-61 . . .	121	13	Nil	43	0.003	0.1



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 9

River **KOYNA**

Site **JALKEWADI**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.</i>
1949-50 . . .	105	91	78	91	0.006	0.2
50-51						
1951-52 . . .	37	27	16	26	0.002	0.1
52-53 . . .	18	15	9	14	0.001	Nil
53-54 . . .	27	21	9	22	0.001	0.1
54-55 . . .						
55-56 . . .						

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.</i>
1949-50 . . .	14	12	9	12	0.001	Nil
50-51						
1951-52 . . .	14	12	10	12	0.001	Nil
52-53 . . .	5	3	3	4	Nil	Nil
53-54 . . .	5	2	2	3	Nil	Nil

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 9

River **KOYNA**

Site **JALKEWADI**

Month **MARCH**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	6	7	3	6	Nil	Nil
50-51 . . .						
1951-52 . . .	7	8	7	8	Nil	Nil
52-53 . . .	2	1	1	1	Nil	Nil
53-54 . . .	1	18	6	8	Nil	Nil

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1952-53 . . .	Nil	12	10	7	Nil	Nil
53-54	1	Nil	Nil	1	Nil	Nil

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1953-54 . . .	1	4	1	2	Nil	Nil

VOLUME OF ANNUAL FLOW

SERIAL No. 10

River **KOYNA**

Site **HELWAK**

Year	Volume of Flow	
	M. A. F.	T. M. C.
1906	2.723	118.6
07	3.988	173.7
08	4.334	188.8
09	4.084	177.9
10	3.845	167.5
1911	2.484	108.2
12	4.054	176.6
13	3.496	152.3
14	5.429	236.5
15	3.088	134.5
1916	3.207	139.7
17	2.996	130.5
18	1.359	59.2
19	3.375	147.0
20	3.033	132.1
1921	3.085	134.4
1.1.22 to 30.4.22*	0.002	0.1
1922-23	3.935	171.4
23-24	4.116	179.3
24-25	3.019	131.5
25-26	2.824	123.0
20 Years' Average	3.424	149.1

* Not considered for calculating the average.

NOTE :—The figures for the years 1906 to 1919 are the volumes of flow for seven months only (June to December). The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 11

River **YERLA**

Site **YERALWADI**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13 . . .						
13-14 . . .	566	83	54	235	0.014	0.6
14-15 . . .	(Nil)	14	2	5	Nil	Nil
15-16 . . .	12	23	32	22	0.001	0.1
1916-17 . . .	134	14	2	50	0.003	0.1
17-18 . . .						
18-19 . . .						
19-20 . . .	219	52	46	106	0.006	0.3
20-21 . . .	112	64	59	78	0.005	0.2
1921-22 . . .	12	32	2	15	0.001	Nil
22-23 . . .	Nil	186	395	194	0.012	0.5
23-24 . . .	48	165	Nil	119	0.007	0.3
24-25 . . .	42	2	Nil	15	0.001	Nil
25-26 . . .	Nil	Nil	78	26	0.002	0.1
1926-27 . . .	21	1	34	19	0.001	Nil
12 Years' Average	97	53	59	74	0.004	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

River YERLA

Site YERALWADI

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13 . . .						
13-14 . . .	143	56	128	110	0.007	0.3
14-15 . . .	2	6	382	138	0.008	0.4
15-16 . . .	28	21	71	41	0.003	0.1
1916-17 . . .	30	26	122	61	0.004	0.2
17-18 . . .						
18-19 . . .						
19-20 . . .	44	31	35	37	0.002	0.1
20-21 . . .	68	82	77	76	0.005	0.2
1921-22 . . .	168	212	646	351	0.022	0.9
22-23 . . .	4	373	830	416	0.026	1.1
23-24 . . .	36	694	221	314	0.019	0.8
24-25 . . .	57	110	86	86	0.005	0.2
25-26 . . .	Nil	Nil	Nil	Nil	Nil	Nil
1926-27 . . .	18	4	2	6	Nil	Nil
12 Years' Average	50	135	217	136	0.008	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13 . . .						
13-14 . . .	146	52	38	77	0.005	0.2
14-15 . . .	498	140	58	226	0.014	0.6
15-16 . . .	76	51	37	54	0.003	0.1
1916-17 . . .	56	37	27	40	0.002	0.1
17-18 . . .						
18-19 . . .						
19-20 . . .	32	Nil	Nil	1	Nil	Nil
20-21 . . .	149	95	70	104	0.006	0.3
1921-22 . . .	306	187	119	202	0.012	0.5
22-23 . . .	505	91	97	227	0.014	0.6
23-24 . . .	67	30	21	41	0.003	0.1
24-25 . . .	114	31	2,212	832	0.051	2.2
25-26 . . .	54	7	2	20	0.001	0.1
1926-27 . . .	39	14	11	12	0.001	Nil
12 Years' Average	168	61	241	153	0.009	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13 . . .						
13-14 . . .	20	17	112	50	0.003	0.1
14-15 . . .	60	63	803	273	0.016	0.7
15-16 . . .	37	51	1,738	609	0.036	1.6
1916-17 . . .	318	91	41	150	0.009	0.4
17-18 . . .						
18-19 . . .						
19-20 . . .	Nil	98	744	281	0.017	0.7
20-21 . . .	64	157	211	144	0.009	0.4
1921-22 . . .	27	198	169	131	0.008	0.3
22-23 . . .	85	85	232	134	0.008	0.3
23-24 . . .	232	1,187	148	522	0.031	1.4
24-25 . . .	168	597	1,919	895	0.053	2.3
25-26 . . .	1	119	291	137	0.008	0.4
1926-27 . . .	6	80	29	38	0.002	0.1
12 Years' Average	85	229	536	280	0.017	0.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13						
13-14	5	210	13	74	0.005	0.2
14-15	196	34	26	97	0.006	0.3
15-16	201	109	176	127	0.008	0.3
1916-17	25	618	1,117	604	0.037	1.6
17-18						
18-19						
19-20	157	99	98	117	0.007	0.3
20-21	334	65	5	130	0.008	0.3
1921-22	377	226	116	236	0.015	0.6
22-23	35	75	417	183	0.011	0.5
23-24	75	289	126	162	0.010	0.4
24-25	37	968	20	331	0.020	0.9
25-26	134	109	18	85	0.005	0.2
1926-27	106	23	11	46	0.003	0.1
12 Years' Average	140	235	179	183	0.011	0.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

<i>River</i> YERLA	<i>Site</i> YERALWADI				<i>Month</i> NOVEMBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13 . . .						
13-14 . . .	6	4	3	4	Nil	Nil
14-15 . . .	20	16	11	17	0.001	„
15-16 . . .	58	44	40	47	0.003	0.1
1916-17 . . .	138	86	63	96	0.006	0.2
17-18 . . .						
18-19 . . .						
19-20 . . .	60	3	3	22	0.001	0.1
20-21 . . .	4	2	2	3	Nil	Nil
1921-22 . . .	226	104	49	126	0.007	0.3
22-23 . . .	3,398	2,379	800	2,192	0.130	5.7
23-24 . . .	5	52	68	41	0.002	0.1
24-25 . . .	70	50	74	65	0.004	0.2
25-26 . . .	5	30	4	13	0.001	Nil
1926-27 . . .	3	4	2	3	Nil	Nil
12 Years' Average	333	231	93	219	0.013	0.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

<i>River</i> YERLA	<i>Site</i> YERALWADI				<i>Month</i> DECEMBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1912-13						
13-14	6	5	6	6	Nil	Nil
14-15	11	11	11	11	0.001	„
15-16	24	19	20	21	0.001	0.1
1916-17	28	31	27	29	0.002	0.1
17-18						
18-19						
19-20	3	4	3	4	Nil	Nil
20-21	1	1	1	1	„	„
1921-22	18	20	14	17	0.001	Nil
22-23	4	3	42	17	0.001	„
23-24	41	37	44	41	0.003	0.1
24-25	71	59	44	57	0.004	0.2
25-26	3	1	1	2	Nil	Nil
1926-27	2	3	3	2	Nil	Nil
12 Years' Average	18	16	18	17	0.001	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 11

<i>River</i> YERLA	<i>Site</i> YERALWADI				<i>Month</i> JANUARY	
<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1912-13* . . .	9	8	7	8	Nil	Nil
13-14 . . .	4	4	4	4	„	„
14-15 . . .	13	12	12	12	0.001	„
15-16 . . .	22	12	13	15	0.001	„
1916-17 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18 . . .						
18-19* . . .	1	1	1	1	Nil	Nil
19-20 . . .	59	22	6	28	0.002	0.1
20-21 . . .	Nil	Nil	Nil	Nil	Nil	Nil
1921-22 . . .	24	19	12	18	0.001	Nil
22-23 . . .	49	42	36	42	0.003	0.1
23-24 . . .	47	42	32	40	0.002	0.1
24-25 . . .	34	29	17	27	0.002	0.1
25-26 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	21	15	11	16	0.001	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 11

<i>River</i> YERLA	<i>Site</i> YERALWADI				<i>Month</i> FEBRUARY	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1912-13* . . .	7	6	5	6	Nil	Nil
13-14 . . .	3	2	2	3	,,	,,
14-15 . . .	10	9	9	9	,,	,,
15-16 . . .	12	11	10	11	0.001	,,
1916-17 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18 . . .						
18-19* . . .	Nil	Nil	Nil	Nil	Nil	Nil
19-20 . . .	4	2	,,	2	,,	,,
20-21 . . .	Nil	Nil	,,	Nil	,,	,,
1921-22 . . .	6	4	4	5	Nil	Nil
22-23 . . .	27	27	28	28	0.002	0.1
23-24 . . .	24	19	15	20	0.001	0.1
24-25 . . .	11	7	6	8	Nil	Nil
25-26 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	8	7	6	7	Nil	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **MARCH**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1912-13* . . .	4	4	3	4	Nil	Nil
13-14 . . .	2	1	1	1	„	„
14-15 . . .	9	8	8	8	„	„
15-16 . . .	8	8	19	10	0.001	„
1916-17 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18 . . .						
18-19* . . .	Nil	Nil	104	37	0.002	0.1
19-20 . . .	„	„	Nil	Nil	Nil	Nil
20-21 . . .	„	„	„	„	„	„
1921-22 . . .	4	4	3	4	Nil	Nil
22-23 . . .	34	45	223	104	0.006	0.3
23-24 . . .	11	14	8	11	0.001	Nil
24-25 . . .	1	Nil	Nil	Nil	Nil	„
25-26 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	6	7	22	12	0.001	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1912-13* . . .	6	4	2	4	Nil	Nil
13-14 . . .	1	1	12	5	,,	,,
14-15 . . .	6	4	4	5	,,	,,
15-16 . . .	20	10	6	12	0.001	,,
1916-17 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18 . . .						
18-19* . . .	56	1	Nil	19	0.001	Nil
19-20 . . .	Nil	20	91	37	0.002	0.1
20-21 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1921-22 . . .	12	3	3	6	Nil	Nil
22-23 . . .	36	19	18	24	0.001	0.1
23-24 . . .	368	9	266	214	0.013	0.6
24-25 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
25-26 . . .	,,	,,	,,	,,	,,	,,
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	37	6	33	25	0.001	0.1

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 11

River **YERLA**

Site **YERALWADI**

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1912-13* . . .	2	7	48	18	0.001	Nil
13-14 . . .	2	1	(Nil)	1	Nil	,,
14-15 . . .	3	4	2	3	,,	,,
15-16 . . .	2	7	47	20	0.001	0.1
1916-17 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18 . . .						
18-19* . . .	7	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
20-21 . . .	,,	,,	,,	,,	,,	,,
1921-22 . . .	1	Nil	Nil	Nil	Nil	Nil
22-23 . . .	11	(13)	15	13	0.001	,,
23-24 . . .	1	1	Nil	1	Nil	,,
24-25 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
25-26 . . .	,,	,,	,,	,,	,,	,,
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	2	2	5	3	Nil	Nil

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 12

River **YERLA**

Site **RAMAPUR**

Month **JUNE**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	47	Nil	141	63	0.004	0.2
58-59 . . .	55	13	N.A.			
59-60 . . .	N.A.	N.A.	"			
60-61 . . .	80	11	11	33	0.002	0.1

Month **JULY**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	N.A.	N.A.	177			
57-58 . . .	94	211	216	174	0.011	0.5
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	"	"	"			
60-61 . . .	153	105	133	134	0.008	0.4

Month **AUGUST**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	1,417	625	245	699	0.043	1.9
57-58 . . .	255	121	115	159	0.010	0.4
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	"	325	285			
60-61 . . .	107	78	51	78	0.005	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 12

River YERLA

Site RAMAPUR

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	294	330	498	374	0.022	1.0
57-58 . . .	120	257	132	163	0.010	0.4
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	271	192	132	222	0.013	0.6
60-61 . . .	18	N.A.	N.A.			

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 , . .	1,162	804	301	770	0.047	2.1
57-58 . . .	Nil	18	284	72	0.004	0.2
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	426	301	241	302	0.019	0.8
60-61 . . .	325	325	320	323	0.020	0.9

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	N.A.	N.A.	651			
57-58 . . .	223	323	208	249	0.015	0.6
58-59 . . .	N.A.	34	N.A.			
59-60 . . .	176	316	164	206	0.012	0.5
60-61 . . .	296	309	132	245	0.015	0.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 12

River YERLA

Site RAMAPUR

Month DECEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57 . . .	371	203	94	219	0.013	0.6
57-58 . . .	98	75	54	78	0.005	0.2
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	80	53	41	58	0.004	0.2
60-61 . . .	91	87	66	81	0.005	0.2

Month JANUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57 . . .	63	53	48	54	0.003	0.1
57-58 . . .	43	31	29	34	0.002	0.1
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	34	32	29	31	0.002	0.1
60-61 . . .	51	44	36	43	0.003	0.1

Month FEBRUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1956-57 . . .	42	41	33	39	0.002	0.1
57-58 . . .	25	23	19	23	0.001	0.1
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	28	21	19	23	0.001	0.1
60-61 . . .	32	33	28	31	0.002	0.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 12

River **YERLA**

Site **RAMAPUR**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	23	21	15	20	0.001	0.1
57-58 . . .	18	12	Nil	10	0.001	Nil
58-59 . . .	N.A.	N.A.	N.A.			
59-60 . . .	15	13	10	13	0.001	Nil
60-61 . . .	23	22	20	21	0.001	0.1

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	7	Nil	Nil	2	Nil	Nil
57-58 . . .	N.A.	N.A.	N.A.			
58-59 . . .	"	"	"			
59-60 . . .	11	10	12	11	0.001	Nil
60-61 . . .	20	27	23	23	0.001	0.1

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .	65	Nil	Nil	21	0.001	0.1
57-58 . . .	N.A.	N.A.	N.A.			
58-59 . . .	"	"	"			
59-60 . . .	11	22	60	32	0.002	0.1
60-61 . . .	29	N.A.	9,474			

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 13

River **BHOGAWATI**
(PANCHGANGA)

Site **RADHANAGRI H. E. DAM**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1954-55 . . .	111	95	113	106	0.006	0.3
55-56 . . .	182	528	485	398	0.024	1.0
1956-57 . . .	189	228	1,727	715	0.043	1.9
57-58 . . .	359	418	1,330	702	0.042	1.8
58-59 . . .	249	266	368	294	0.017	0.8
59-60 . . .	251	279	372	301	0.018	0.8
60-61 . . .	626	629	1,814	1,023	0.061	2.7
7 Years' Average	281	349	887	506	0.030	1.3

Month **JULY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1954-55 . . .	5,667	5,558	1,762	4,247	0.261	11.4
55-56 . . .	77	172	2,040	804	0.049	2.2
1956-57 . . .	8,191	1,050	4,010	4,404	0.271	11.8
57-58 . . .	3,023	1,008	211	1,375	0.085	3.7
58-59 . . .	432	401	359	396	0.024	1.1
59-60 . . .	1,634	3,156	2,347	2,378	0.146	6.4
60-61 . . .	1,097	594	1,718	1,155	0.071	3.1
7 Years' Average	2,874	1,706	1,778	2,108	0.130	5.7

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 13.

River **BHOGAWATI**
(PANCHGANGA)

Site **RADHANAGRI H.E. DAM**

Month **AUGUST**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1954-55 . . .	7,669	250	519	2,739	0.168	7.3
55-56 . . .	4,221	5,035	3,131	4,097	0.252	11.0
1956-57 . . .	5,035	4,300	651	3,242	0.199	8.7
57-58 . . .	3,154	4,522	2,618	3,405	0.209	9.1
58-59 . . .	322	323	890	311	0.019	0.8
59-60 . . .	2,564	615	2,296	1,840	0.113	4.9
60-61 . . .	2,995	2,327	1,425	2,222	0.137	6.0
7 Years' Average	3,709	2,482	1,561	2,551	0.157	6.8

Month **SEPTEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1954-55 . . .	2,286	1,516	1,667	1,823	0.108	4.7
55-56 . . .	4,868	93	91	1,684	0.100	4.4
1956-57 . . .	1,156	347	1,279	927	0.055	2.4
57-58 . . .	209	1,073	245	509	0.030	1.3
58-59 . . .	390	362	433	395	0.024	1.0
59-60 . . .	505	500	521	509	0.030	1.3
60-61 . . .	640	674	563	626	0.037	1.6
7 Years' Average	1,436	652	686	925	0.055	2.4

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 13

River **BHOGAWATI** *Site* **RADHANAGRI H.E. DAM** *Month* **OCTOBER**
(PANCHGANGA)

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1954-55 . . .	868	185	76	367	0.023	1.0
55-56 . . .	70	69	69	69	0.004	0.2
1956-57 . . .	629	429	159	398	0.024	1.1
57-58 . . .	231	268	214	237	0.015	0.6
58-59 . . .	322	285	275	293	0.018	0.8
59-60 . . .	300	287	216	250	0.015	0.7
60-61 . . .	387	263	293	315	0.019	0.8
7 Years' Average	401	248	186	276	0.017	0.7

Month **NOVEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1954-55 . . .	100	96	105	100	0.006	0.3
55-56 . . .	74	78	100	84	0.005	0.2
1956-57 . . .	145	151	164	153	0.009	0.4
57-58 . . .	236	303	314	284	0.017	0.7
58-59 . . .	264	260	300	275	0.016	0.7
59-60 . . .	210	176	201	196	0.012	0.5
60-61 . . .	303	282	309	298	0.018	0.8
7 Years' Average	190	192	213	199	0.012	0.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 13

River **BHOGAWATI** *Site* **RADHANAGRI H.E. DAM** *Month* **DECEMBER**
(PANCHGANGA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1954-55 . . .	105	107	105	106	0.007	0.3
55-56 . . .	116	117	115	116	0.007	0.3
1956-57 . . .	177	193	211	194	0.012	0.5
57-58 . . .	327	361	364	351	0.022	0.9
58-59 . . .	334	329	357	340	0.021	0.9
59-60 . . .	226	207	198	210	0.013	0.6
60-61 . . .	291	296	275	287	0.018	0.8
7 Years' Average	225	230	232	229	0.014	0.6

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54* . . .	77	82	83	81	0.005	0.2
54-55 . . .	115	129	121	122	0.008	0.3
55-56 . . .	123	117	109	116	0.007	0.3
1956-57 . . .	217	198	219	212	0.013	0.6
57-58 . . .	357	351	426	380	0.023	1.0
58-59 . . .	409	360	339	368	0.023	1.0
59-60 . . .	187	187	218	198	0.012	0.5
60-61 . . .	(235)	(224)	(239)	(233)	(0.014)	(0.6)
7 Years' Average	235	224	239	233	0.014	0.6

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 13

River BHOGAWATI Site RADHANAGRI H.E. DAM Month FEBRUARY
(PANCHGANGA)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54* . . .	85	93	96	91	0.005	0.2
54-55 . . .	135	132	143	136	0.008	0.3
55-56 . . .	147	147	144	146	0.008	0.4
1956-57 . . .	231	244	243	237	0.013	0.6
57-58 . . .	394	437	419	416	0.023	1.0
58-59 . . .	356	355	321	346	0.019	0.8
59-60 . . .	257	259	328	280	0.016	0.7
60-61 . . .	(253)	(262)	(266)	(260)	(0.014)	(0.6)
7 Years' Average	253	262	266	260	0.014	0.6

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54* . . .	105	103	95	101	0.006	0.3
54-55 . . .	151	136	154	147	0.009	0.4
55-56 . . .	161	181	181	175	0.011	0.5
1956-57 . . .	262	253	302	273	0.017	0.7
57-58 . . .	421	333	245	330	0.020	0.9
58-59 . . .	390	373	394	386	0.024	1.0
59-60 . . .	325	307	377	338	0.021	0.9
60-61 . . .	(285)	(264)	(276)	(275)	(0.017)	(0.7)
7 Years' Average	285	264	276	275	0.017	0.7

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 13

River **BHOGAWATI**
(PANCHGANGA)

Site **RADHANAGRI H.E. DAM**

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1953-54* . . .	106	113	102	107	0.006	0.3
54-55 . . .	156	223	157	179	0.011	0.5
55-56 . . .	185	180	187	184	0.011	0.5
1954-57 . . .	297	282	334	304	0.018	0.8
57-58 . . .	275	237	196	236	0.014	0.6
58-59 . . .	364	311	264	313	0.019	0.8
59-60 . . .	378	344	305	372	0.022	1.0
60-61 . . .	(276)	(263)	(256)	(265)	(0.016)	(0.7)
7 Years' Average	276	263	256	265	0.016	0.7

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1953-54* . . .	101	115	109	108	0.007	0.3
54-55 . . .	169	181	178	176	0.011	0.5
55-56 . . .	211	225	188	208	0.013	0.6
1956-57 . . .	349	379	298	341	0.021	0.6
57-58 . . .	197	229	179	201	0.012	0.5
58-59 . . .	278	197	107	191	0.012	0.5
59-60 . . .	312	301	429	350	0.022	6.0
60-61 . . .	(253)	(252)	(230)	(244)	(0.015)	(0.7)
7 Years' Average	253	252	230	244	0.015	0.7

* Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 14.

River GHATAPRABHA

Site HADALGA

Year	Volume of Flow	
	M. A. F.	T. M. C.
1906	0.659	30.0
07	1.155	50.3
08	1.159	50.5
09	0.893	38.9
10	0.813	35.4
1911	0.746	32.5
12	1.320	57.5
13	0.849	37.0
14	1.538	67.0
15	0.778	33.9
1916	0.868	37.8
17	0.849	37.0
18	0.480	20.9
13 Years' Average	0.934	40.7

NOTE:—The figures for the years 1906 to 1918 are the volumes of flow for seven months (June to December) only.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River GHATAPRABHA

Site HADALGA

Month JUNE

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	N.A.	121	4,210	2,165	0.129	5.6
1911-12* . . .	N.A.	3,759	1,649	2,704	0.161	7.0
12-13* . . .	„	N.A.	N.A.			
13-14* . . .	„	„	„			
14-15* . . .	„	„	1,466	1,466	0.087	3.8
15-16* . . .	„	„	5,077	5,077	0.302	13.2
1916-17* . . .	N.A.	2,152	6,851	4,501	0.268	11.7
17-18* . . .	„	2,000	4,747	3,373	0.201	8.7
18-19* . . .	„	N.A.	N.A.			
19-20 . . .	(Nil)	1,188	2,017	1,068	0.064	2.8
20-21 . . .	52	1,204	3,177	1,477	0.088	3.8
1921-22 . . .	(Nil)	(Nil)	1,991	6,641	0.040	1.7
22-23 . . .	28	15	4,068	1,376	0.082	3.6
23-24 . . .	10	103	628	247	0.015	0.6
24-25 . . .	(Nil)	(Nil)	1,016	3,391	0.020	0.9
25-26 . . .	„	110	4,685	1,598	0.095	4.1
1926-27 . . .	(Nil)	145	119	88	0.005	0.2
8 Years' Average	11	346	2,213	856	0.051	2.2

* Not considered for calculating the average.

(14.3)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	7,224	1,468	1,611	3,376	0.208	9.0
1911-12* . . .	1,180	7,433	2,071	3,513	0.216	9.4
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14* . . .	"	"	"	"	"	"
14-15* . . .	4,175	14,103	20,873	13,303	0.818	35.6
15-16* . . .	4,516	1,185	7,761	4,593	0.282	12.3
1916-17* . . .	2,208	1,613	3,228	2,378	0.146	6.4
17-18* . . .	2,264	2,012	6,440	3,665	0.225	9.8
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	5,366	2,290	4,727	4,147	0.255	11.1
20-21 . . .	6,131	7,304	6,065	6,486	0.399	17.4
1921-22 . . .	533	627	11,640	4,505	0.277	12.1
22-23 . . .	8,024	4,019	16,714	9,816	0.604	26.3
23-24 . . .	6,888	18,525	13,866	13,118	0.807	35.1
24-25 . . .	2,291	18,286	8,258	9,568	0.588	25.6
25-26 . . .	2,473	11,120	4,865	6,111	0.376	16.4
1926-27 . . .	6,062	2,921	6,661	5,261	0.323	14.1
8 Years' Average	4,721	8,136	9,100	7,376	0.454	19.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River	GHATAPRABHA		Site	HADALGA		Month	AUGUST	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month			
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.		
1910-11* . . .	10,957	5,066	1,779	5,800	0.357	15.5		
1911-12* . . .	3,133	6,593	3,928	4,531	0.279	12.1		
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
13-14* . . .	"	"	"	"	"	"		
14-15* . . .	18,528	2,897	4,314	8,442	0.519	22.6		
15-16* . . .	8,247	1,474	1,219	3,568	0.219	9.6		
1916-17* . . .	9,775	4,995	1,933	5,450	0.335	14.6		
17-18* . . .	2,940	1,808	4,037	2,964	0.182	7.9		
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
19-20 . . .	6,908	2,408	3,358	4,197	0.258	11.2		
20-21 . . .	3,740	1,879	1,658	2,401	0.148	6.4		
1921-22 . . .	6,403	6,847	2,485	5,156	0.317	13.8		
22-23 . . .	4,456	3,565	3,641	3,879	0.239	10.4		
23-24 . . .	8,149	6,982	2,932	5,921	0.364	15.9		
24-25 . . .	4,218	2,024	3,310	3,188	0.196	8.5		
25-26 . . .	2,727	2,253	4,265	3,120	0.192	8.4		
1926-27 . . .	12,449	(6,000)	(4,000)	7,371	0.453	19.7		
8 Years' Average	6,131	3,995	3,206	4,404	0.271	11.8		

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River CHATAPRABHA

Site HADALGA

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	2,318	1,070	1,403	1,597	0.095	4.1
1911-12* . . .	2,822	1,817	517	1,719	0.102	4.5
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14* . . .	"	"	"	"	"	"
14-15* . . .	1,220	5,155	1,605	2,660	0.158	6.9
15-16* . . .	1,859	1,669	1,353	1,627	0.097	4.2
1916-17* . . .	1,326	2,323	1,607	1,752	0.104	4.5
17-18* . . .	6,898	1,453	991	3,114	0.185	8.1
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	1,854	630	767	1,084	0.065	2.8
20-21 . . .	860	628	523	670	0.040	1.7
1921-22 . . .	1,913	1,713	839	1,488	0.089	3.9
22-23 . . .	2,086	1,299	730	1,972	0.117	5.1
23-24 . . .	719	725	1,239	894	0.053	2.3
24-25 . . .	2,777	820	753	1,450	0.086	3.8
25-26 . . .	1,390	522	434	782	0.047	2.0
1926-27 . . .	2,166	1,134	1,174	1,491	0.089	3.9
8 Years' Average	1,721	934	807	1,229	0.073	3.2

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	1,939	762	409	1,016	0.062	2.7
1911-12* . . .	407	577	231	399	0.025	1.1
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14* . . .	"	"	"	"	"	"
14-15* . . .	563	244	152	314	0.019	0.8
15-16* . . .	1,352	589	520	811	0.050	2.2
1916-17* . . .	501	678	370	512	0.031	1.4
17-18* . . .	1,652	1,028	1,057	1,240	0.076	3.3
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	1,358	615	250	725	0.045	1.9
20-21 . . .	385	179	110	221	0.014	0.6
1921-22 . . .	439	236	104	255	0.016	0.7
22-23 . . .	410	238	133	256	0.016	0.7
23-24 . . .	299	169	99	186	0.011	0.5
24-25 . . .	655	323	157	371	0.023	1.0
25-26 . . .	390	495	145	337	0.021	0.9
1926-27 . . .	507	249	132	291	0.018	0.8
8 Years' Average	555	313	141	330	0.020	0.9

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River GHATAPRABHA

Site HADALGA

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	234	182	134	183	0.011	0.5
1911-12* . . .	129	111	111	117	0.007	0.3
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14* . . .	"	"	"	"	"	"
14-15* . . .	136	113	84	111	0.007	0.3
15-16* . . .	232	148	127	169	0.010	0.4
1916-17* . . .	1,438	1,055	368	953	0.057	2.5
17-18* . . .	447	377	332	385	0.023	1.0
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	137	154	86	126	0.007	0.3
20-21 . . .	72	79	74	75	0.004	0.2
1921-22 . . .	326	110	84	173	0.010	0.4
22-23 . . .	167	134	271	191	0.011	0.5
23-24 . . .	73	81	69	74	0.004	0.2
24-25 . . .	90	75	90	85	0.005	0.2
25-26 . . .	82	93	69	81	0.005	0.2
1926-27 . . .	96	79	59	79	0.005	0.2
8 Years' Average	131	101	100	110	0.006	0.3

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusces)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1910-11* . . .	106	78	60	81	0.005	0.2
1911-12* . . .	102	64	49	71	0.004	0.2
12-13* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14* . . .	"	"	"	"	"	"
14-15* . . .	71	90	51	70	0.004	0.2
15-16* . . .	92	74	68	78	0.005	0.2
1916-17* . . .	163	123	86	123	0.008	0.3
17-18* . . .	158	281	76	169	0.010	0.5
18-19* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20 . . .	70	66	54	63	0.004	0.2
20-21 . . .	57	45	33	45	0.003	0.1
1921-22 . . .	87	71	56	71	0.004	0.2
22-23 . . .	105	77	81	87	0.005	0.2
23-24 . . .	61	50	41	50	0.003	0.1
24-25 . . .	74	60	48	60	0.004	0.2
25-26 . . .	57	46	37	46	0.003	0.1
1926-27 . . .	46	38	32	38	0.002	0.1
8 Years' Average	70	57	48	58	0.004	0.2

*Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **JANUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1916-17 . . .						
17-18 . . .						
18-19 . . .						
19-20 . . .	42	39	48	43	0.003	0.1
20-21 . . .	28	26	22	25	0.002	0.1
1921-22 . . .	54	46	34	45	0.003	0.1
22-23 . . .	73	64	54	63	0.004	0.2
23-24 . . .	34	(31)	28	31	0.002	0.1
24-25 . . .	42	26	31	33	0.002	0.1
25-26 . . .	27	23	18	23	0.001	0.1
1926-27 . . .	30	26	21	25	0.002	0.1
8 Years' Average	41	35	32	36	0.002	0.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1916-17 . . .						
17-18 . . .						
18-19 . . .						
19-20 . . .	43	37	24	34	0.002	0.1
20-21 . . .	16	14	12	14	0.001	Nil
1921-22 . . .	27	22	21	23	0.001	0.1
22-23 . . .	44	41	37	41	0.002	0.1
23-24 . . .	18	13	9	13	0.001	Nil
24-25 . . .	28	24	20	24	0.001	0.1
25-26 . . .	15	12	11	13	0.001	Nil
1926-27 . . .	16	13	10	13	0.001	Nil
8 Years' Average	26	22	18	22	0.001	0.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River GHATAPRABHA

Site HADALGA

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1916-17 . . .						
17-18 . . .						
18-19 . . .						
19-20 . . .	20	14	3	12	0.001	Nil
20-21 . . .	8	6	5	6	Nil	„
1921-22 . . .	19	16	13	16	0.001	Nil
22-23 . . .	34	29	23	29	0.002	0.1
23-24 . . .	8	3	2	4	Nil	Nil
24-25 . . .	15	12	7	11	0.001	„
25-26 . . .	10	9	7	9	0.001	„
1926-27 . . .	9	7	3	6	Nil	Nil
8 Years' Average	15	12	8	12	0.001	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River GHATAPRABHA

Site HADALGA

Month APRIL

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1916-17 . . .						
17-18 . . .						
18-19 . . .						
19-20 . . .	1	1	1	1	Nil	Nil
20-21 . . .	3	17	10	10	0.001	„
1921-22 . . .	10	9	29	16	0.001	Nil
22-23 . . .	28	17	10	18	0.001	„
23-24 . . .	28	5	3	12	0.001	„
24-25 . . .	6	5	3	4	Nil	„
25-26 . . .	6	1	(Nil)	2	„	„
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
8 Years' Average	10	7	7	8	0.001	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 14

River **GHATAPRABHA**

Site **HADALGA**

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1916-17 . . .						
17-18 . . .						
18-19 . . .						
19-20 . . .	1	1	1	1	Nil	Nil
20-21 . . .	3	(Nil)	(Nil)	1	„	„
1921-22 . . .	17	7	19	14	0.001	Nil
22-23 . . .	7	3	2	4	Nil	„
23-24 . . .	4	1	(Nil)	2	„	„
24-25 . . .	3	5	2	3	„	„
25-26 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
8 Years' Average	4	2	3	3	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No.15

River GHATAPRABHA

Site DADDI

Month JUNE

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	741	519	1,258	839	0.050	2.2
50-51* . . .						
1951-52* . . .	N.A.	1,511	3,595			
52-53 . . .	(Nil)	31	2,595	875	0.052	2.3
53-54 . . .	Nil	Nil	10,203	3,166	0.188	8.2
54-55 . . .	322	632	164	364	0.022	0.9
55-56* . . .	Nil	Nil	5,953	1,984	0.118	5.1
4 Years' Average	266	296	3,555	1,311	0.078	3.4

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1,676	11,880	3,938	5,770	0.355	15.5
50-51* . . .						
1951-52* . . .	1,230	329	9,514	3,490	0.215	9.3
52-53 . . .	1,646	975	18,989	7,203	0.443	19.3
53-54 . . .	20,644	6,015	1,557	7,921	0.487	21.2
54-55 . . .	9,230	13,214	1,897	7,913	0.487	21.2
55-56* . . .	8,577	1,008	2,255	3,892	0.239	10.4
Years' Average	8,299	8,021	6,595	7,202	0.443	19.3

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 15

River GHATAPRABHA

Site DADDI

Month AUGUST

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	5,974	3,407	1,247	3,469	0.213	9.3
50-51*						
1951-52* . . .	7,784	3,649	1,146	4,095	0.252	11.0
52-53 . . .	11,119	3,831	3,800	6,171	0.379	16.5
53-54 . . .	12,691	19,497	5,420	12,536	0.771	33.6
54-55 . . .	20,812	4,121	552	8,239	0.507	22.1
55-56* . . .	1,142	931	3,853	2,036	0.125	5.5
4 Years' Average	12,649	7,714	2,755	7,604	0.468	20.4

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	944	666	1,507	1,039	0.062	2.7
50-51*						
1951-52* . . .	83	20	40	50	0.003	0.1
52-53 . . .	451	46	(416)	304	0.018	0.8
53-54 . . .	1,902	967	281	1,050	0.062	2.7
54-55 . . .	1,418	1,208	783	1,136	0.068	2.9
55-56* . . .	5,312	375	198	1,962	0.117	5.1
4 Years' Average	1,179	722	747	882	0.052	2.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 15

River GHATAPRABHA

Site DADDI

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	305	120	340	257	0 016	0.7
50-51* . . .						
1951-52* . . .						
52-53 . . .	786	449	61	514	0.032	1.4
53-54 . . .	841	601	1,524	1,006	0.062	2.7
54-55 . . .	216	13	Nil	74	0.005	0.2
55-56* . . .	4,863	351	216	1,759	0.108	4.7
4 Years' Average	537	296	481	463	0.029	1.2

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	143	356	280	260	0.015	0.7
50-51* . . .						
1951-52* . . .	500	387	403	430	0.026	1.1
52-53 . . .	608	394	185	388	0.023	1.0
53-54 . . .	337	80	Nil	139	0.008	0.4
54-55 . . .	118	325	254	232	0.014	0.6
55-56* . . .	60	22	N.A.			
4 Years' Average	302	289	180	255	0.015	0.7

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 15

River GHATAPRABHA

Site DADDI

Month DECEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	215	136	87	144	0.009	0.4
50-51* . . .						
1951-52* . . .						
52-53 . . .	104	96	69	93	0.006	0.2
53-54 . . .	235	302	183	238	0.015	0.6
54-55 . . .	184	185	167	178	0.011	0.5
55-56* . . .						
4 Years' Average	184	180	126	163	0.010	0.4

Month JANUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	63	52	29	47	0.003	0.1
50-51* . . .						
1951-52* . . .						
52-53 . . .	59	46	39	48	0.003	0.1
53-54 . . .	137	115	70	106	0.007	0.3
54-55 . . .	69	66	136	93	0.006	0.2
55-56* . . .						
4 Years' Average	82	70	68	74	0.005	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 15

River GHATAPRABHA

Site DADDI

Month FEBRUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1949-50 . . .	25	16	14	18	0.001	Nil
50-51* . . .						
1951-52* . . .						
52-53 . . .	33	28	13	24	0.001	0.1
53-54 . . .	56	27	14	33	0.002	0.1
54-55 . . .	54	44	30	43	0.002	0.1
55-56* . . .						
4 Years' Average	42	29	18	30	0.002	0.1

Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	8	7	6	7	Nil	Nil
50-51* . . .						
1951-52* . . .						
52-53 . . .	8	3	1	5	Nil	Nil
53-54 . . .	9	16	48	25	0.002	0.1
54-55 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
55-56* . . .						
4 Years' Average	6	6	14	9	Nil	Nil

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 15

River GHATAPRABHA

Site DADDI

Month APRIL

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-3</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	5	2	2	3	Nil	Nil
50-51* . . .						
52-53 . . .	(15)	30	18	21	0.001	0.1
53-54 . . .	14	4	3	7	Nil	Nil
54-55 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
55-56* . . .						
4 Years' Average	8	9	6	8	Nil	Nil

Month MAY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49* . . .	3	483	665	393	0.024	1.1
49-50 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
50-51* . . .						
1951-52* . . .						
52-53 . . .	6	Nil	Nil	2	Nil	Nil
53-54 . . .	4	22	12	13	0.001	„
54-55 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
55-56* . . .						
4 Years' Average	2	6	3	4	Nil	Nil

*Not considere for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 16

River : GHATAPRABHA

Site : DHUPDAL

	Volume of flow	
	M. A. F.	T. M. C.
1906	1.850	80.6
07	3.533	153.9
08	3.579	155.9
09	2.475	107.8
10	2.509	109.3
1911	1.940	84.5
12	3.967	172.8
13	2.135	93.0
14	4.995	217.6
15	2.601	113.3
1916	3.081	134.2
17	2.732	119.0
18	1.398	60.9
19	2.280	99.3
20	2.124	92.5
1921	2.548	111.0
1.1 22 to 30.4.22*	0.009	0.4
1922-23	2.608	113.6
23-24	3.851	167.7
24-25	2.911	126.8
25-26	2.856	124.4
20 Years' Average	2.799	121.9

*Not considered for calculating the average.

NOTE:—The figures for the years 1906 to 1921 are the volumes of flow for calendar years. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st May to 30th April.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. O.</i>
1938-39	247	12,628	9,838	7,571	0.451	19.6
39-40	37	7,334	8,845	5,406	0.322	14.0
40-41	56	72	7,872	2,667	0.159	6.9
<i>3 Years' Average</i>	<i>113</i>	<i>6,678</i>	<i>8,852</i>	<i>5,215</i>	<i>0.310</i>	<i>13.5</i>
1941-42	2,402	2,757	5,639	3,599	0.214	9.3
42-43	3	713	6,216	2,311	0.138	6.0
43-44	580	4,526	4,723	3,277	0.195	8.5
44-45	185	2,011	2,412	1,582	0.094	4.1
45-46	44	666	5,855	2,188	0.130	5.7
1946-47	486	2,342	10,713	4,513	0.269	11.7
47-48	57	380	384	274	0.016	0.7
48-49	62	1,648	8,229	3,313	0.197	8.6
49-50	2,560	1,053	4,238	2,617	0.156	6.8
50-51	877	82	1,178	712	0.042	1.8
<i>10 Years' Average</i>	<i>726</i>	<i>1,618</i>	<i>4,959</i>	<i>2,439</i>	<i>0.145</i>	<i>6.3</i>
1951-52	195	6,288	13,304	6,596	0.392	17.1
52-53	33	536	8,990	3,186	0.190	8.3
53-54	58	61	29,636	9,919	0.590	25.7
54-55	63	2,019	2,406	1,496	0.089	3.9
55-56	89	251	8,254	2,864	0.170	7.4
1956-57	1,385	1,269	12,272	4,975	0.296	12.9
57-58	294	155	7,256	2,568	0.153	6.7
58-59	75	Nil	17,303	5,793	0.345	15.0
59-60	355	524	8,688	3,189	0.190	8.3
60-61	10	1,107	8,050	3,056	0.182	7.9
<i>10 Years' Average</i>	<i>256</i>	<i>1,221</i>	<i>11,616</i>	<i>4,364</i>	<i>0.260</i>	<i>11.3</i>
23 Years' Average	441	2,105	8,361	3,638	0.217	9.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River GHATAPRABHA

Site DHUPDAL

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1938-39 . . .	16,093	23,566	15,666	18,352	1.128	49.2
39-40 . . .	14,809	50,559	12,916	25,669	1.578	68.8
40-41 . . .	16,444	27,427	22,162	22,016	1.354	59.0
<i>3 Years' Average</i>	<i>15,782</i>	<i>33,851</i>	<i>16,915</i>	<i>22,012</i>	<i>1.353</i>	<i>59.0</i>
1941-42 . . .	54,516	24,337	3,241	26,587	1.635	71.2
42-43 . . .	39,653	16,789	36,470	31,148	1.915	83.4
43-44 . . .	12,205	49,904	18,190	26,490	1.629	71.0
44-45 . . .	4,623	39,408	29,842	24,793	1.524	66.4
45-46 . . .	28,880	32,290	15,086	25,085	1.542	67.2
1946-47 . . .	19,160	6,234	40,638	22,611	1.390	60.6
47-48 . . .	3,759	28,043	14,571	15,429	0.949	41.3
48-49 . . .	9,640	13,019	29,222	17,678	1.087	47.3
49-50 . . .	5,807	28,676	14,006	16,093	0.990	43.1
50-51 . . .	2,910	31,669	62,322	33,269	2.046	89.1
<i>10 Years' Average</i>	<i>18,115</i>	<i>27,037</i>	<i>26,359</i>	<i>23,918</i>	<i>1.471</i>	<i>64.1</i>
1951-52 . . .	6,816	3,578	32,618	14,927	0.918	40.0
52-53 . . .	6,650	5,632	47,876	20,950	1.288	56.1
53-54 . . .	64,442	22,419	8,087	30,893	1.900	82.7
54-55 . . .	26,491	36,103	10,557	23,938	1.472	64.1
55-56 . . .	22,711	9,508	11,739	14,558	0.895	39.0
1956-57 . . .	44,601	27,514	23,750	31,690	1.949	84.9
57-58 . . .	14,570	37,331	15,752	22,332	1.373	59.8
58-59 . . .	34,607	68,185	31,664	44,394	2.730	118.9
59-60 . . .	57,453	32,774	39,982	43,293	2.662	116.0
60-61 . . .	35,247	4,405	19,924	19,861	1.221	53.2
<i>10 Years' Average</i>	<i>31,359</i>	<i>24,745</i>	<i>24,196</i>	<i>26,684</i>	<i>1.641</i>	<i>71.5</i>
23 Years' Average	23,569	26,929	24,187	24,872	1.529	66.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River GHATAPRABHA		Site DHUPDAL			Month AUGUST	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1938-39 . . .	4,869	7,170	8,631	6,946	0.427	18.6
39-40 . . .	5,578	18,364	46,813	24,334	1.496	65.2
40-41 . . .	15,391	14,186	22,871	17,656	1.086	47.3
3 Years' Average	8,613	13,240	26,105	16,312	1.003	43.7
1941-42 . . .	5,360	10,460	5,244	6,964	0.428	18.7
42-43 . . .	30,628	9,693	5,490	14,955	0.920	40.1
43-44 . . .	12,424	5,070	2,515	6,536	0.402	17.5
44-45 . . .	17,643	6,305	11,057	11,648	0.716	31.2
45-46 . . .	3,053	21,438	12,398	12,300	0.756	32.9
1946-47 . . .	40,993	19,774	24,936	28,451	1.749	76.2
47-48 . . .	4,928	4,583	24,652	11,816	0.727	31.6
48-49 . . .	6,528	31,106	12,248	16,486	1.014	44.2
49-50 . . .	21,210	12,624	5,680	12,930	0.795	34.6
50-51 . . .	24,997	12,374	3,215	13,196	0.811	35.3
10 Years' Average	16,776	13,343	10,744	13,528	0.832	36.2
1951-52 . . .	23,319	14,352	6,252	14,370	0.884	38.5
52-53 . . .	32,153	14,723	15,705	20,694	1.272	55.4
53-54 . . .	29,623	42,386	13,163	27,899	1.715	74.7
54-55 . . .	40,390	17,523	4,442	20,258	1.246	54.3
55-56 . . .	11,339	11,682	17,366	13,588	0.835	36.4
1956-57 . . .	47,866	18,138	7,736	24,037	1.478	64.4
57-58 . . .	17,321	24,090	25,338	22,349	1.374	59.9
58-59 . . .	7,551	11,707	16,256	11,980	0.737	32.1
59-60 . . .	19,447	73,84	18,774	15,317	0.942	41.0
60-61 . . .	26,064	17,482	11,573	18,154	1.116	48.6
10 Years' Average	25,507	17,947	13,660	18,865	1.160	50.5
23 Years' Average	19,508	15,331	14,015	16,211	0.997	43.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11 20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1938-39 . . .	5,456	1,904	5,377	4,246	0.253	11.0
39-40 . . .	17,017	4,089	1,480	7,529	0.448	19.5
40-41 . . .	4,451	1,259	2,279	2,663	0.158	6.9
<i>3 Years' Average</i>	<i>8,975</i>	<i>2,417</i>	<i>3,045</i>	<i>4,813</i>	<i>0.286</i>	<i>12.5</i>
1941-42 . . .	1,800	1,338	1,160	1,433	0.085	3.7
42-43 . . .	8,408	2,508	2,542	4,486	0.267	11.6
43-44 . . .	3,580	3,975	2,842	3,466	0.206	9.0
44-45 . . .	2,443	1,617	1,116	1,725	0.103	4.5
45-46 . . .	3,795	5,592	3,601	4,329	0.258	11.2
1946-47 . . .	5,552	4,055	2,723	4,110	0.245	10.7
47-48 . . .	22,607	4,450	4,583	10,546	0.628	27.3
48-49 . . .	5,948	2,106	10,298	6,117	0.364	15.9
49-50 . . .	4,975	4,067	6,805	5,282	0.314	13.7
50-51 . . .	8,569	11,757	4,666	8,320	0.496	21.6
<i>10 Years' Average</i>	<i>6,768</i>	<i>4,146</i>	<i>4,034</i>	<i>4,982</i>	<i>0.296</i>	<i>12.9</i>
1951-52 . . .	1,512	1,428	1,547	1,495	0.089	3.9
52-53 . . .	2,823	1,309	1,145	1,759	0.105	4.6
53-54 . . .	4,467	2,472	1,259	2,733	0.163	7.1
54-55 . . .	6,566	7,156	5,056	6,259	0.372	16.2
55-56 . . .	19,100	4,865	3,642	9,202	0.548	23.9
1956-57 . . .	4,041	2,284	2,633	2,986	0.178	7.7
57-58 . . .	3,903	3,609	1,425	2,979	0.177	7.7
58-59 . . .	9,428	4,831	1,943	5,400	0.321	14.0
59-60 . . .	18,507	6,288	4,352	9,716	0.578	25.2
60-61 . . .	2,798	2,515	5,586	3,633	0.216	9.4
<i>10 Years' Average</i>	<i>7,314</i>	<i>3,676</i>	<i>2,859</i>	<i>4,616</i>	<i>0.275</i>	<i>12.0</i>
23 Years' Average	7,293	3,716	3,394	4,801	0.286	12.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1938-39 . . .	22,824	3,594	364	8,651	0.532	23.2
39-40 . . .	755	360	1,775	989	0.061	2.6
40-41 . . .	454	1,526	833	935	0.057	2.5
<i>3 Years' Average</i>	<i>8,011</i>	<i>1,827</i>	<i>991</i>	<i>3,525</i>	<i>0.217</i>	<i>9.4</i>
1941-42 . . .	2,277	949	174	1,102	0.068	3.0
42-43 . . .	1,266	1,181	137	838	0.052	2.2
43-44 . . .	3,224	2,728	1,133	2,322	0.143	6.2
44-45 . . .	771	501	1,736	1,026	0.063	2.7
45-46 . . .	1,380	1,016	124	817	0.050	2.2
1946-47 . . .	3,930	1,076	254	1,705	0.105	4.6
47-48 . . .	2,290	1,024	397	1,210	0.074	3.2
48-49 . . .	4,279	2,753	1,598	2,840	0.175	7.6
49-50 . . .	2,430	1,366	3,335	2,408	0.148	6.4
50-51 . . .	6,106	10,290	1,671	5,882	0.362	15.8
<i>10 Years' Average</i>	<i>2,795</i>	<i>2,289</i>	<i>1,056</i>	<i>2,015</i>	<i>0.124</i>	<i>5.4</i>
1951-52 . . .	4,797	3,270	1,173	3,018	0.186	8.1
52-53 . . .	4,106	3,803	1,347	3,029	0.186	8.1
53-54 . . .	2,936	4,229	6,969	4,784	0.294	12.8
54-55 . . .	3,006	1,480	2,701	2,436	0.150	6.5
55-56 . . .	20,046	4,717	3,949	9,389	0.577	25.1
1956-57 . . .	5,848	4,855	1,909	4,130	0.254	11.1
57-58 . . .	2,251	1,227	3,402	2,329	0.143	6.2
58-59 . . .	1,523	1,432	707	1,204	0.074	3.2
59-60 . . .	1,938	1,085	844	1,275	0.078	3.4
60-61 . . .	2,446	1,495	935	1,603	0.099	4.3
<i>10 Years' Average</i>	<i>4,890</i>	<i>2,759</i>	<i>2,394</i>	<i>3,320</i>	<i>0.204</i>	<i>8.9</i>
23 Years' Average	4,386	2,433	1,629	2,779	0.171	7.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1938-39 . . .	451	346	227	341	0.020	0.9
39-40 . . .	662	154	182	328	0.020	0.9
40-41 . . .	244	262	186	230	0.014	0.6
<i>3 Years' Average</i>	<i>452</i>	<i>254</i>	<i>198</i>	<i>300</i>	<i>0.018</i>	<i>0.8</i>
1941-42 . . .	118	111	111	114	0.007	0.3
42-43 . . .	189	185	138	171	0.010	0.4
43-44 . . .	1,225	688	344	752	0.045	1.9
44-45 . . .	1,929	816	374	1,040	0.062	2.7
45-46 . . .	108	124	125	119	0.007	0.3
1946-47 . . .	845	648	598	697	0.041	1.8
47-48 . . .	334	591	198	374	0.022	1.0
48-49 . . .	555	1,223	998	926	0.055	2.4
49-50 . . .	1,422	372	166	670	0.040	1.7
50-51 . . .	473	627	303	468	0.028	1.2
<i>10 Years' Average</i>	<i>720</i>	<i>538</i>	<i>336</i>	<i>533</i>	<i>0.032</i>	<i>1.4</i>
1951-52 . . .	434	320	459	404	0.024	1.0
52-53 . . .	247	156	160	188	0.011	0.5
53-54 . . .	3,307	1,168	102	1,525	0.091	4.0
54-55 . . .	618	416	301	445	0.026	1.2
55-56 . . .	1,680	832	602	1,038	0.062	2.7
1956-57 . . .	3,184	739	1,534	1,819	0.108	4.7
57-58 . . .	1,673	1,334	640	1,216	0.072	3.2
58-59 . . .	379	303	259	314	0.019	0.8
59-60 . . .	792	1,259	383	811	0.048	2.1
60-61 . . .	1,061	313	286	553	0.033	1.4
<i>10 Years' Average</i>	<i>1,338</i>	<i>684</i>	<i>473</i>	<i>831</i>	<i>0.049</i>	<i>2.2</i>
23 Years' Average	953	565	377	632	0.038	1.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River GHATAPRABHA

Site DHUPDAL

Month DECEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1938-39 . . .	176	131	77	128	0.008	0.3
39-40 . . .	98	107	119	108	0.007	0.3
40-41 . . .	152	132	111	131	0.008	0.4
<i>3 Years' Average</i>	<i>142</i>	<i>123</i>	<i>102</i>	<i>122</i>	<i>0.008</i>	<i>0.3</i>
1941-42 . . .	107	97	123	110	0.007	0.3
42-43 . . .	122	115	180	140	0.009	0.4
43-44 . . .	239	151	122	169	0.010	0.5
44-45 . . .	248	138	130	171	0.011	0.5
45-46 . . .	118	124	126	122	0.008	0.3
1946-47 . . .	290	237	134	217	0.013	0.6
47-48 . . .	180	158	151	163	0.010	0.4
48-49 . . .	476	302	229	332	0.020	0.9
49-50 . . .	272	209	181	219	0.013	0.6
50-51 . . .	282	157	182	207	0.013	0.6
<i>10 Years' Average</i>	<i>233</i>	<i>169</i>	<i>156</i>	<i>185</i>	<i>0.011</i>	<i>0.5</i>
1951-52 . . .	216	193	159	189	0.012	0.5
52-53 . . .	146	159	164	157	0.010	0.4
53-54 . . .	326	264	179	254	0.016	0.7
54-55 . . .	194	161	182	179	0.011	0.5
55-56 . . .	412	189	187	260	0.016	0.7
1956-57 . . .	544	328	302	388	0.024	1.0
57-58 . . .	347	238	180	253	0.016	0.7
58-59 . . .	142	119	69	109	0.007	0.3
59-60 . . .	253	129	86	153	0.009	0.4
60-61 . . .	190	152	91	142	0.009	0.4
<i>10 Years' Average</i>	<i>277</i>	<i>193</i>	<i>160</i>	<i>208</i>	<i>0.013</i>	<i>0.6</i>
23 Years' Average	240	173	151	187	0.012	0.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River GHATAPRABHA

Site DHUPDAL

Month JANUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1937-38* . . .	85	96	67	82	0.005	0.2
38-39 . . .	47	106	93	82	0.005	0.2
39-40 . . .	78	91	95	88	0.005	0.2
40-41 . . .	94	86	116	99	0.006	0.3
3 Years' Average	73	94	101	90	0.005	0.2
1941-42 . . .	97	65	56	72	0.004	0.2
42-43 . . .	84	100	94	93	0.006	0.2
43-44 . . .	108	93	124	109	0.007	0.3
44-45 . . .	84	97	112	98	0.006	0.3
45-46 . . .	99	56	95	84	0.005	0.2
1946-47 . . .	117	112	111	113	0.007	0.3
47-48 . . .	141	129	92	120	0.007	0.3
48-49 . . .	166	149	165	160	0.010	0.4
49-50 . . .	149	134	150	145	0.009	0.4
50-51 . . .	173	144	142	153	0.009	0.4
10 Years' Average	122	108	114	115	0.007	0.3
1951-52 . . .	141	161	85	127	0.008	0.3
52-53 . . .	122	110	73	101	0.006	0.3
53-54 . . .	157	163	128	149	0.009	0.4
54-55 . . .	144	142	119	135	0.008	0.4
55-56 . . .	109	157	121	129	0.008	0.3
1956-57 . . .	216	153	110	158	0.010	0.4
57-58 . . .	120	113	78	103	0.006	0.3
58-59 . . .	32	23	3	19	0.001	0.1
59-60 . . .	82	56	35	57	0.004	0.2
60-61 . . .	67	39	22	42	0.003	0.1
10 Years' Average	119	112	77	102	0.006	0.3
23 Years' Average	114	108	96	106	0.006	0.3

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

<i>River</i> GHATAPRABHA	<i>Site</i> DHUPDAL				<i>Month</i> FEBRUARY	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1937-38* . . .	42	17	40	33	0.002	0.1
38-39 . . .	92	79	70	81	0.004	0.2
39-40 . . .	80	71	73	77	0.004	0.2
40-41 . . .	99	92	78	91	0.005	0.2
<i>3 Years' Average</i>	90	81	74	83	0.004	0.2
1941-42 . . .	50	78	44	58	0.003	0.1
42-43 . . .	93	78	61	78	0.004	0.2
43-44 . . .	109	72	71	85	0.005	0.2
44-45 . . .	100	81	55	80	0.004	0.2
45-46 . . .	40	26	26	31	0.002	0.1
1946-47 . . .	103	82	75	88	0.005	0.2
47-48 . . .	56	85	44	62	0.004	0.2
48-49 . . .	145	170	110	144	0.008	0.3
49-50 . . .	105	56	63	76	0.004	0.2
50-51 . . .	106	55	56	74	0.004	0.2
<i>10 Years' Average</i>	91	78	60	78	0.004	0.2
1951-52 . . .	59	62	60	60	0.003	0.2
52-53 . . .	61	68	61	63	0.003	0.2
53-54 . . .	154	69	60	97	0.005	0.2
54-55 . . .	104	67	63	79	0.004	0.2
55-56 . . .	170	100	70	115	0.007	0.3
1956-57 . . .	79	51	19	52	0.003	0.1
57-58 . . .	63	23	Nil	31	0.002	0.1
58-59 . . .	75	71	71	72	0.004	0.2
59-60 . . .	64	Nil	Nil	22	0.001	0.1
60-61 . . .	Nil	„	„	Nil	Nil	Nil
<i>10 Years' Average</i>	83	51	40	59	0.003	0.2
<i>23 Years' Average</i>	87	67	53	70	0.004	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1937-38* . . .	62	48	73	62	0.004	0.2
38-39 . . .	51	64	73	63	0.004	0.2
39-40 . . .	63	71	36	56	0.003	0.1
40-41 . . .	64	58	64	62	0.004	0.2
<i>3 Years' Average</i>	59	64	58	60	0.004	0.2
1941-42 . . .	28	28	23	26	0.002	0.1
42-43 . . .	73	71	45	62	0.004	0.2
43-44 . . .	64	58	72	65	0.004	0.2
44-45 . . .	58	50	57	55	0.003	0.1
45-46 . . .	23	26	27	25	0.002	0.1
1946-47 . . .	44	59	50	51	0.003	0.1
47-48 . . .	53	54	34	47	0.003	0.1
48-49 . . .	68	50	68	62	0.004	0.2
49-50 . . .	33	26	33	31	0.002	0.1
50-51 . . .	57	50	48	52	0.003	0.1
<i>10 Years' Average</i>	50	47	46	48	0.003	0.1
1951-52 . . .	60	44	41	48	0.003	0.1
52-53 . . .	45	66	55	55	0.003	0.1
53-54 . . .	74	56	67	66	0.004	0.2
54-55 . . .	64	64	74	68	0.004	0.2
55-56 . . .	71	64	63	66	0.004	0.2
1956-57 . . .	Nil	8	Nil	3	Nil	Nil
57-58 . . .	64	71	66	67	0.004	0.2
58-59 . . .	4	Nil	Nil	1	Nil	Nil
59-60 . . .	Nil	..	..	Nil	..	..
60-61 . . .	..	..	..	..	..	..
<i>10 Years' Average</i>	38	37	37	37	0.002	0.1
23 Years' Average	46	45	43	45	0.003	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1937-38* . . .	63	72	71	69	0.004	0.2
38-39 . . .	62	48	26	45	0.003	0.1
39-40 . . .	29	26	26	27	0.002	0.1
40-41 . . .	72	54	56	61	0.004	0.2
<i>3 Years' Average</i>	<i>54</i>	<i>43</i>	<i>36</i>	<i>44</i>	<i>0.003</i>	<i>0.1</i>
1941-42 . . .	26	23	26	25	0.001	0.1
42-43 . . .	26	24	24	25	0.001	0.1
43-44 . . .	30	30	34	31	0.002	0.1
44-45 . . .	50	56	27	44	0.003	0.1
45-46 . . .	26	26	53	35	0.002	0.1
1946-47 . . .	64	56	64	62	0.004	0.2
47-48 . . .	55	58	54	56	0.003	0.1
48-49 . . .	59	62	65	62	0.004	0.2
49-50 . . .	27	32	32	30	0.002	0.1
50-51 . . .	49	47	25	40	0.002	0.1
<i>10 Years' Average</i>	<i>41</i>	<i>41</i>	<i>40</i>	<i>41</i>	<i>0.002</i>	<i>0.1</i>
1951-52 . . .	31	18	20	23	0.001	0.1
52-53 . . .	27	22	876	308	0.018	0.8
53-54 . . .	69	64	61	65	0.004	0.2
54-55 . . .	48	51	44	48	0.003	0.1
55-56 . . .	74	71	55	66	0.004	0.2
1956-57 . . .	Nil	4	Nil	1	Nil	Nil
57-58 . . .	26	64	142	77	0.005	0.2
58-59 . . .	9	35	18	21	0.001	0.1
59-60 . . .	Nil	Nil	3	1	Nil	Nil
60-61 . . .	"	"	5	2	"	"
<i>10 Years' Average</i>	<i>28</i>	<i>33</i>	<i>122</i>	<i>61</i>	<i>0.004</i>	<i>0.2</i>
<i>23 Years' Average</i>	<i>37</i>	<i>38</i>	<i>75</i>	<i>50</i>	<i>0.003</i>	<i>0.1</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 16

River **GHATAPRABHA**

Site **DHUPDAL**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1937-38* . . .	64	56	59	60	0.004	0.2
38-39 . . .	30	29	26	28	0.002	0.1
39-40 . . .	54	61	71	62	0.004	0.2
40-41 . . .	34	33	72	47	0.003	0.1
3 Years' Average	39	41	56	46	0.003	0.1
1941-42 . . .	58	36	19	37	0.002	0.1
42-43 . . .	20	32	608	233	0.014	0.6
43-44 . . .	35	65	66	56	0.003	0.1
44-45 . . .	52	61	59	57	0.004	0.2
45-46 . . .	72	63	368	174	0.011	0.5
1946-47 . .	65	68	69	67	0.004	0.2
47-48 . . .	36	53	47	45	0.003	0.1
48-49 . . .	60	99	2,490	935	0.057	2.5
49-50 . . .	34	47	46	43	0.003	0.1
50-51 . . .	28	20	267	110	0.007	0.3
10 Years' Average	46	54	404	176	0.011	0.5
1951-52 . . .	20	18	17	18	0.001	Nil
52-53 . . .	54	69	59	61	0.004	0.2
53-54 . . .	30	28	46	35	0.002	0.1
54-55 . . .	39	91	951	380	0.023	1.0
55-56 . . .	69	51	77	66	0.004	0.2
1956-57 . . .	70	84	277	148	0.009	0.4
57-58 . . .	337	179	230	248	0.015	0.7
58-59 . . .	1	24	267	103	0.006	0.3
59-60 . . .	46	534	524	373	0.023	1.0
60-61 . . .	72	1,026	3,976	1,765	0.109	4.7
10 Years' Average	74	210	642	320	0.020	0.9
23 Years' Average	57	120	462	221	0.014	0.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 17

River GHATAPRABHA		Site CHINCHKANDI			Month JUNE	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1953-54 . . .	N.A.	125	36,580			
54-55 . . .	501	2,002	2,006	1,662	0.099	4.3
55-56 . . .	N.A.	N.A.	5,674			
1956-57 . . .	N.A.	N.A.	N.A.			
57-58 . . .	..	..	..
58-59 . . .	..	..	16,351			
Month JULY						
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.
1953-54 . . .	83,410	38,212	12,435	40,903	2.515	109.6
54-55 . . .	24,918	54,949	13,125	30,421	1.871	81.5
55-56* . . .	44,821	9,698	12,852	22,147	1.362	59.3
1956-57 . . .	43,611	46,782	20,604	36,221	2.227	97.0
57-58* . . .	N.A.	N.A.	30,533			
58-59 . . .	26,109	88,150	44,822	52,762	3.244	141.3
4 Years' Average	34.865	49,895	23,851	35,388	2.176	94.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 17

River **GHATAPRABHA**

Site **CHINCHKANDI**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1954-55 . . .	51,171	29,504	8,004	28,864	1.775	77.3
55-56 . . .	8,903	12,442	16,795	12,845	0.790	34.4
1956-57 . . .	76,548	22,024	11,747	33,167	2.039	88.8
57-58* . . .	16,225	24,976	31,090	24,097	1.482	64.5
58-59 . . .	7,922	7,636	13,571	9,500	0.584	25.4
4 Years' Average	36,136	17,902	12,529	21,094	1.297	56.5

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1954-55 . . .	7,319	8,810	5,888	7,339	0.437	19.0
55-56 . . .	22,412	7,665	10,833	13,637	0.811	35.3
1956-57 . . .	5,202	2,877	3,427	3,835	0.228	9.9
57-58* . . .	8,779	5,678	2,948	5,801	0.345	15.0
58-59 . . .	10,197	5,405	3,111	6,366	0.379	16.5
4 Years' Average	11,282	6,189	5,815	7,794	0.464	20.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 17

River **CHATAPRABHA**

Site **CHINCHKANDI**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1954-55 . . .	2,707	1,950	4,985	3,271	0.201	8.8
55-56 . . .	27,161	15,686	10,712	17,623	1.084	47.2
1956-57 . . .	9,563	10,145	1,849	7,013	0.431	18.8
57-58* . . .	3,181	2,407	9 137	5,045	0.3101	3.5
58-59 . . .	1,366	2,231	610	1,377	0.085	3.7
4 Years' Average	10,199	7,503	4,539	7,321	0.450	19.6

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1954-55 . . .	495	219	107	274	0.016	0.7
55-56 . . .	2,989	1,771	1,198	1,986	0.118	5.1
1956-57 . . .	18,208	1,699	1,935	8,617	0.513	22.3
57-58* . . .	4,744	4,103	N.A.	4,530	0.270	11.7
58-59 . . .	321	242	140	234	0.014	0.6
4 Years' Average.	5,503	983	845	2,778	0.165	7.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 18

River **GHATAPRABHA**

Site **ANAGWADI**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	685	784	988	819	0.049	2.1
50-51* . . .	3,071	59	474	1,201	0.071	3.1
1951-52* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
52-53* . . .	1,220	157	3,066	1,481	0.088	3.8
53-54* . . .	N.A.	N.A.	12,913			
54-55* . . .	"	2,724	1,906			
55-56 . . .	64	43	1,263	457	0.027	1.2
1956-57 . . .	453	642	2,827	1,308	0.078	3.4
57-58* . . .	N.A.	N.A.	2,487			
3 Years' Average	401	490	1,693	861	0.051	2.2

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	2,217	7,818	4,579	4,674	0.287	12.5
50-51* . . .	912	12,775	46,171	20,798	1.279	55.7
1951-52* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
52-53* . . .	3,942	2,942	30,949	13,203	0.812	35.4
53-54* . . .	43,185	14,533	6,418	20,896	1.285	56.0
54-55* . . .	11,935	29,605	17,286	19,534	1.201	52.3
55-56 . . .	17,025	6,145	7,627	10,180	0.626	27.3
1956-57 . . .	26,847	19,555	20,464	22,230	1.367	59.5
57-58* . . .	10,379	29,753	10,519	16,678	1.025	44.7
3 Years' Average	15,363	11,173	10,890	12,361	0.760	33.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 18

River GHATAPRABHA

Site ANAGWADI

Month AUGUST

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	9,261	5,625	3,186	5,932	0.365	15.9
50-51* . . .	11,099	9,648	2,169	7,462	0.459	20.0
1951-52* . . .	N.A.	N.A.	N.A.			
52-53* . . .	17,417	13,154	8,190	12,768	0.785	34.2
53-54* . . .	16,061	26,101	12,404	18,002	1.107	48.2
54-55* . . .	21,016	16,730	6,302	14,412	0.886	38.6
55-56 . . .	6,185	7,372	8,704	7,462	0.459	20.0
1956-57 . . .	20,020	9,998	5,889	10,551	0.649	28.3
57-58* . . .	6,717	18,350	22,736	15,934	0.980	42.7
3 Years' Average	11.822	7.665	5.926	7.982	0.491	21.4

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	3,041	1,897	8,234	4,391	0.261	11.4
50-51* . . .	3,606	4,556	3,951	4,038	0.240	10.5
1951-52* . . .	N.A.	N.A.	N.A.			
52-53* . . .	2,683	653	1,003	1,446	0.086	3.7
53-54* . . .	4,454	5,655	4,788	4,966	0.295	12.9
54-55* . . .	4,936	5,787	4,498	5,074	0.302	13.2
55-56 . . .	11,480	4,916	6,732	7,710	0.459	20.0
1956-57 . . .	3,403	2,134	2,633	2,724	0.162	7.1
57-58* . . .	N.A.	N.A.	N.A.			
3 Years' Average	5.975	2.982	5.866	4.942	0.294	12.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 18

River **GHATAPRABHA**

Site **ANAGWADI**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1,555	1,333	3,902	2,263	0.139	6.1
50-51* . . .	4,357	7,334	3,164	5,718	0.352	15.3
1951-52* . . .	N.A.	N.A.	N.A.			
52-53* . . .	3,374	4,690	1,663	3,637	0.224	9.7
53-54* . . .	4,729	5,681	7,740	6,104	0.375	16.3
54-55* . . .	3,028	2,446	5,800	3,824	0.235	10.2
55-56 . . .	18,334	5,381	6,701	10,028	0.617	26.9
1956-57 . . .	5,670	6,514	2,449	4,799	0.295	12.9
57-58* . . .	N.A.	N.A.	N.A.			
3 Years' Average	8,520	4,409	4,351	5,697	0.350	15.3

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	923	308	182	471	0.028	1.2
50-51* . . .	N.A.	N.A.	N.A.			
1951-52* . . .	N.A.	N.A.	N.A.			
52-53* . . .	"	"	"			
53-54* . . .	4,726	951	220	1,965	0.117	5.1
54-55* . . .	256	91	33	137	0.008	0.4
55-56 . . .	2,852	654	255	1,253	0.075	3.2
1956-57 . . .	7,208	1,557	1,578	3,447	0.205	8.9
57-58* . . .	2,012	1,465	257	1,244	0.074	3.2
3 Years' Average	3,661	840	672	1,724	0.103	4.4

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 19

River GHATAPRABHA

Site MURMUTTISANGAM

Month JUNE

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A. F.</i>	<i>T. M. C.</i>
1949-50 . . .						
50-51 . . .	78	74	72	75	0.004	0.2
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	250	15	2,036	767	0.046	2.0
53-54 . . .	(Nil)	(Nil)	11,253	3,751	0.223	9.7
54-55 . . .	„	238	282	173	0.010	0.4
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	(Nil)	62	785	282	0.017	0.7
57-58* . . .	N.A.	N.A.	N.A.			
58-59* . . .	„	„	3,267			
5 Years' Average	66	78	2,886	1,010	0.060	2.6

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1949-50 . . .						
50-51 . . .	60	10,728	19,900	7,286	0.448	19.5
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	2,490	1,523	42,517	14,579	0.896	39.0
53-54 . . .	49,779	18,660	3,037	16,600	1.021	44.5
54-55 . . .	8,314	38,686	9,128	18,400	1.131	49.3
55-56* . . .	N.A.	N.A.	2,636			
1956-57 . . .	23,098	17,314	6,244	15,252	0.938	40.9
57-58* . . .	3,990	18,379	6,132	9,392	0.577	25.2
58-59* . . .						
5 Years' Average	16,748	17,382	16,165	14,423	0.887	38.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 19

River **GHATAPRABHA**

Site **MURMUTTISANGAM**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	18,185	9,767	5,495	13,204	0.812	35.4
50-51 . . .	10,637	9,760	1,130	6,728	0.414	18 0
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	29,991	6,667	20,500	19,100	1.174	51.2
53-54 . . .	22,553	37,654	8,281	23,331	1.435	62.5
54-55 . . .	29,756	24,974	2,615	18,583	1.143	49.8
55-56* . . .	4,575	5,648	6,279	5,526	0.340	14.8
1956-57 . . .	18,577	8,885	3,617	8,893	0.547	23.8
57-58* . . .	2,517	8,031	11,150	7,233	0.445	19.4
5 Years' Average	22,303	17,588	7,229	15,327	0.943	41.1

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	4,028	1,935	8,211	4,725	0.281	12.2
50-51 . . .	4,148	7,121	3,053	4,413	0.263	11.4
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	911	265	570	678	0.040	1.8
53-54 . . .	1,379	2,612	305	1,512	0.090	3.9
54-55 . . .	4,240	3,020	1,428	2,896	0.172	7.5
55-56* . . .	8,555	2,460	4,098	5,038	0.300	13.1
1956-57 . . .	1,141	532	1,092	922	0.055	2.4
5 Years' Average	2,364	2,710	1,290	2,084	0.124	5.4

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 19

<i>River</i> GHATAPRABHA	<i>Site</i> MURMUTTISANGAM				<i>Month</i> OCTOBER	
<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
1949 50* . . .	1,018	448	1,697	1,118	0.069	3.0
50-51 . . .	5,061	13,484	353	6,724	0.413	18.0
51-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	2,562	3,011	377	1,932	0.119	5.2
53-54 . . .	3,035	2,109	5,447	3,464	0.213	9.3
1954-55 . . .	882	200	1,584	889	0.055	2.4
55-56* . . .	12,615	3,669	3,736	6,588	0.405	17.6
1956-57 . . .	2,678	2,238	419	1,735	0.107	4.6
5 Years' Average	2,844	4,208	1,636	2,949	0.181	7.9

<i>Month</i> NOVEMBER						
<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1953-54 . . .	3,832	152	11	1,812	0.108	4.7
54-55 . . .	20	10	N.A.			
55-56 . . .	2,763	102	8	1,147	0.068	3.0
1956-57 . . .	2,742	222	304	1,089	0.065	2.8
57-58 . . .	414	371	41	275	0.016	0.7

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River	HIRANYAKESHI (Ghataprabha)				Site	Month		JUNE	
Year (June to May)	Mean discharge (Cusecs)				Whole month	Volume of flow for the month			
	1-10	11-20	21-30	M A. F. T. M. C.					
1904-05* . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
05-06 . . .	Nil	56	397	151	0.009	0.4			
1906-07 . . .	Nil	97	2,290	796	0.047	2.1			
07-08 . . .	„	585	1,685	757	0.045	2.0			
08-09 . . .	„	612	1,346	653	0.039	1.7			
09-10 . . .	18	629	3,240	1,296	0.077	3.4			
10-11 . . .	Nil	98	5,944	2,014	0.120	5.2			
6 Years' Average	3	346	2,484	944	0.056	2.5			
1911-12 . . .	101	5,234	1,963	2,433	0.145	6.3			
12-13 . . .	Nil	511	2,631	1,047	0.062	2.7			
13-14 . . .	466	2,782	2,661	1,970	0.117	5.1			
14-15 . . .	Nil	90	2,318	803	0.048	2.1			
15-16 . . .	„	81	6,195	2,093	0.125	5.4			
1916-17 . . .	660	3,283	9,400	4,448	0.265	11.5			
17-18 . . .	3	2,184	4,591	2,359	0.134	5.9			
18-19 . . .	1,285	622	1,466	1,124	0.067	2.9			
19-20 . . .	131	1,608	1,936	1,225	0.073	3.2			
20-21 . . .	Nil	1,112	2,358	1,157	0.069	3.0			
10 Years' Average	265	1,751	3,552	1,856	0.110	4.8			
1921-22 . . .	Nil	1,877	1,758	1,212	0.072	3.1			
22-23 . . .	14	129	4,418	1,520	0.090	3.9			
23-24 . . .	2	82	696	260	0.015	0.7			
24-25 . . .	Nil	950	1,015	655	0.039	1.7			
25-26 . . .	491	182	5,203	1,959	0.117	5.1			
1926-27 . . .	Nil	110	113	74	0.004	0.2			
6 Years' Average	84	555	2,200	947	0.056	2.5			
2 Years' Average	144	1,042	2,892	1,359	0.081	3.5			

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

<i>River</i>	HIRANYAKESHI (Ghataprabha)				<i>Site</i>	AJRA		<i>Month</i>	JULY	
<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>					<i>Volume of flow for the month</i>				
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		<i>M. A. F.</i>	<i>T. M. C.</i>			
1904-05* . . .	10,415	3,385	3,533	5,705		0.351	15.3			
05-06 . . .	4,336	2,517	8,764	5,320		0.327	14.2			
1906-07 . . .	3,231	4,528	10,630	6,275		0.386	16.8			
07-08 . . .	1,989	1,845	11,063	5,162		0.317	13.8			
08-09 . . .	7,133	8,900	7,180	7,720		0.475	20.7			
09-10 . . .	6,886	12,126	7,268	8,712		0.536	23.3			
10-11 . . .	9,099	1,536	1,584	3,993		0.246	10.7			
<i>6 Years' Average</i>	5,446	5,242	7,748	6,197		0.381	16.6			
1911-12 . . .	1,961	7,292	3,118	4,091		0.252	11.0			
12-13 . . .	5,072	5,032	17,769	9,564		0.588	25.6			
13-14 . . .	1,880	7,386	70,020	27,835		1.712	74.6			
14-15 . . .	4,970	11,516	16,136	11,044		0.679	29.6			
15-16 . . .	5,754	1,750	8,360	5,387		0.331	14.4			
1916-17 . . .	3,010	2,552	4,237	3,298		0.203	8.8			
17-18 . . .	1,918	1,805	5,926	3,304		0.203	8.8			
18-19 . . .	4,067	777	716	1,817		0.112	4.9			
19-20 . . .	5,366	1,574	5,583	4,220		0.259	11.3			
20-21 . . .	5,864	7,752	6,507	6,701		0.412	17.9			
<i>10 Years' Average</i>	3,986	4,744	13,837	7,726		0.475	20.7			
1921-22 . . .	660	992	10,256	4,166		0.256	11.2			
22-23 . . .	8,100	4,156	10,069	7,526		0.463	20.2			
23-24 . . .	6,683	12,328	13,108	10,784		0.663	28.9			
24-25 . . .	2,484	11,985	7,283	7,252		0.446	19.4			
25-26 . . .	2,237	11,367	5,444	6,320		0.389	16.9			
1926-27 . . .	8,456	2,358	4,108	4,946		0.304	13.2			
<i>6 Years' Average</i>	4,770	7,194	8,378	6,832		0.420	18.3			
22 Years' Average	4,598	5,548	10,688	7,065		0.434	18.9			

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)**

Site **AJRA**

Month **AUGUST**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1904-05* . . .	5,802	3,746	1,536	3,625	0.223	9.7
05-06 . . .	2,535	2,537	1,711	2,243	0.138	6.0
1906-07 . . .	2,411	952	4,883	2,818	0.173	7.5
07-08 . . .	13,217	9,411	3,465	8,529	0.521	22.8
08-09 . . .	3,183	2,793	3,384	4,741	0.292	12.7
09-10 . . .	4,100	899	827	1,906	0.117	5.1
10-11 . . .	11,172	5,255	1,863	5,960	0.366	16.0
6 Years' Average	6,936	3,641	2,689	4,366	0.268	11.7
1911-12 . . .	3,918	7,322	4,116	5,086	0.313	13.6
12-13 . . .	9,841	5,063	2,373	5,650	0.347	15.1
13-14 . . .	7,658	1,379	2,434	3,779	0.232	10.1
14-15 . . .	14,403	3,237	4,440	7,266	0.447	19.5
15-16 . . .	18,075	1,890	2,046	7,166	0.441	19.2
1916-17 . . .	10,926	6,315	2,725	6,529	0.401	17.5
17-18 . . .	2,545	1,360	3,198	2,394	0.147	6.4
18-19 . . .	4,024	4,548	3,635	4,055	0.249	10.9
19-20 . . .	6,822	2,042	5,153	4,688	0.288	12.6
20-21 . . .	4,941	1,785	1,713	2,778	0.171	7.4
10 Years' Average	8,315	3,494	3,183	4,939	0.304	13.2
1921-22 . . .	6,827	6,438	2,258	5,080	0.312	13.6
22-23 . . .	4,484	3,243	3,340	3,678	0.226	9.9
23-24 . . .	7,803	7,066	2,830	5,801	0.357	15.5
24-25 . . .	4,385	3,312	4,192	3,970	0.244	10.6
25-26 . . .	2,555	2,367	3,082	2,681	0.165	7.2
1926-27 . . .	11,387	5,630	3,765	6,825	0.420	18.3
6 Years' Average	6,240	4,676	3,244	4,672	0.287	12.5
22 Years' Average	7,373	3,856	3,065	4,710	0.290	12.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River	HIRANYAKESHI (Ghataprabha)				Site	AJRA	Month	SEPTEMBER	
Year (June to May)	Mean discharge (Cusecs)				Whole month	Volume of flow for the month			
	1-10	11-20	21-30	M. A. F.		T.M.C.			
1904-05* . . .	1,313	2,429	885	1,529	0.091	4.0			
05-06 . . .	1,168	1,309	454	977	0.058	2.5			
1906-07 . . .	2,534	1,249	670	1,484	0.088	3.8			
07-08 . . .	1,322	771	1,332	1,142	0.068	3.0			
08-09 . . .	1,321	704	934	986	0.059	2.6			
09-10 . . .	1,215	1,011	968	1,065	0.063	2.8			
10-11 . . .	2,888	1,385	1,472	1,915	0.114	5.0			
6 Years' Average	1,741	1,072	972	1,262	0.075	3.3			
1911-12 . . .	2,547	2,496	824	1,956	0.116	5.1			
12-13 . . .	1,823	616	513	984	0.059	2.6			
13-14 . . .	1,282	640	572	831	0.049	2.2			
14-15 . . .	1,626	6,374	2,139	3,380	0.201	8.8			
15-16 . . .	2,825	2,259	1,650	2,245	0.134	5.8			
1916-17 . . .	2,399	3,475	2,265	2,713	0.161	7.0			
17-18 . . .	5,219	934	918	2,357	0.140	6.1			
18-19 . . .	1,162	508	360	677	0.040	1.8			
19-20 . . .	1,911	640	569	1,040	0.062	2.7			
20-21 . . .	1,013	715	616	781	0.046	2.0			
10 Years' Average	2,181	1,866	1,043	1,696	0.101	4.4			
1921-22 . . .	2,324	1,876	1,164	1,788	0.106	4.6			
22-23 . . .	2,103	1,707	879	1,563	0.093	4.1			
23-24 . . .	728	869	1,787	1,128	0.067	2.9			
24-25 . . .	2,480	1,006	976	1,487	0.088	3.9			
25-26 . . .	1,150	599	404	718	0.043	1.9			
1926-27 . . .	1,768	1,278	1,416	1,487	0.088	3.9			
6 Years' Average	1,759	1,222	1,104	1,362	0.081	3.5			
22 Years' Average	1,946	1,474	1,040	1,487	0.088	3.9			

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

<i>River</i> HIRANYAKESHI (Ghataprabha)	<i>Site</i> AJRA				<i>Month</i> OCTOBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05* . . .	361	259	189	267	0.016	0.7
05-06 . . .	246	216	142	199	0.012	0.5
1906-07 . . .	457	394	220	353	0.022	0.9
07-08 . . .	866	403	217	486	0.030	1.3
08-09 . . .	381	221	143	245	0.015	0.7
09-10 . . .	882	494	218	521	0.032	1.4
10-11 . . .	2,398	801	605	1,211	0.074	3.2
<i>6 Years' Average</i>	872	422	241	502	0.031	1.3
1911-12 . . .	615	573	319	496	0.030	1.3
12-13 . . .	410	356	197	317	0.019	0.8
13-14 . . .	455	290	183	305	0.019	0.8
14-15 . . .	965	530	322	597	0.037	1.6
15-16 . . .	2,333	1,209	814	1,431	0.088	3.8
1916-17 . . .	1,154	1,166	798	1,032	0.063	2.8
17-18 . . .	1,436	735	641	928	0.057	2.5
18-19 . . .	235	133	105	156	0.010	0.4
19-20 . . .	915	490	298	559	0.034	1.5
20-21 . . .	252	213	158	206	0.013	0.6
<i>10 Years' Average</i>	877	570	384	603	0.037	1.6
1921-22 . . .	568	299	140	329	0.020	0.9
22-23 . . .	496	307	146	311	0.019	0.8
23-24 . . .	458	202	119	255	0.016	0.7
24-25 . . .	618	431	181	403	0.025	1.1
25-26 . . .	343	410	158	299	0.018	0.8
1926-27 . . .	682	293	145	366	0.023	1.0
<i>6 Years' Average</i>	528	324	148	327	0.020	0.9
22 Years' Average	780	463	281	500	0.031	1.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)** *Site* **AJRA** *Month* **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05* . . .	94	67	54	72	0.004	0.2
05-06 . . .	85	70	60	72	0.004	0.2
1906-07 . . .	145	110	78	111	0.007	0.3
07-08 . . .	135	99	74	103	0.006	0.3
08-09 . . .	214	163	134	170	0.010	0.4
09-10 . . .	179	98	78	118	0.007	0.3
10-11 . . .	275	224	113	204	0.012	0.5
<i>6 Years' Average</i>	172	127	90	130	0.008	0.3
1911-12 . . .	152	89	81	107	0.006	0.3
12-13 . . .	120	89	211	140	0.008	0.4
13-14 . . .	93	76	68	79	0.005	0.2
14-15 . . .	127	107	83	106	0.006	0.3
15-16 . . .	502	226	126	285	0.017	0.7
1916-17 . . .	2,156	1,366	823	1,448	0.086	3.8
17-18 . . .	428	308	274	337	0.020	0.9
18-19 . . .	103	92	68	88	0.005	0.2
19-20 . . .	198	227	156	194	0.012	0.5
20-21 . . .	91	74	59	75	0.004	0.2
<i>10 Years' Average</i>	397	265	195	286	0.017	0.8
1921-22 . . .	368	147	96	204	0.012	0.5
22-23 . . .	179	246	236	220	0.013	0.6
23-24 . . .	73	22	(34)	43	0.003	0.1
24-25 . . .	118	90	70	93	0.006	0.2
25-26 . . .	95	81	57	78	0.005	0.2
1926-27 . . .	96	75	55	75	0.004	0.2
<i>6 Years' Average</i>	155	110	91	119	0.007	0.3
<i>22 Years' Average</i>	270	185	138	198	0.012	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)** *Site* **AJRA** *Month* **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1904-05* . . .	42	36	30	36	0 002	0.1
05-06 . . .	42	(Nil)	(Nil)	14	0 001	Nil
1906-07 . . .	54	48	44	49	0.003	0.1
07-08 . . .	59	41	Nil	32	0.002	0.1
08-09 . . .	111	85	75	90	0 006	0.2
09-10 . . .	61	48	38	49	0 003	0.1
10-11 . . .	85	66	51	67	0 004	0.2
<i>6 Years' Average</i>	69	48	35	50	0.003	0.1
1911-12 . . .	71	51	40	54	0 003	0.1
12-13 . . .	66	52	40	52	0.003	0.1
13-14 . . .	62	53	44	53	0.003	0.1
14-15 . . .	63	64	50	59	0.004	0.2
15-16 . . .	97	79	64	79	0.005	0.2
1916-17 . . .	474	249	112	273	0.017	0.7
17-18 . . .	184	141	107	143	0.009	0.4
18-19 . . .	53	43	32	42	0 003	0.1
19-20 . . .	132	130	96	119	0.007	0.3
20-21 . . .	48	36	32	38	0.002	0.1
<i>10 Years' Average</i>	125	90	62	91	0.006	0.2
1921-22 . . .	67	51	39	52	0.003	0.1
22-23 . . .	118	81	62	86	0.005	0.2
23-24 . . .	46	30	23	33	0.002	0.1
24-25 . . .	51	41	27	39	0.002	0.1
25-26 . . .	44	36	28	36	0.002	0.1
1926-27 . . .	44	36	27	35	0.002	0.1
<i>6 Years' Average</i>	62	46	34	47	0.003	0.1
22 Years' Average	93	67	47	68	0.004	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)**

Site **AJRA**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>

Data not available for the period from 1904-05 to 1918-19

1919-20 . . .	71	69	54	64	0.004	0.2
20-21 . . .	27	20	18	22	0.001	0.1
1921-22 . . .	43	36	24	34	0.002	0.1
22-23 . . .						
23-24 . . .						
24-25 . . .						
25-26 . . .						
1926-27 . . .						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)**

Site **AJRA**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>

Data not available for the period from 1904-05 to 1918-19



1919-20 . . .	42	32	19	31	0.002	0.1
20-21 . . .	14	11	6	10	0.001	Nil
1921-22 . . .	22	19	13	18	0.001	Nil
22-23 . . .						
23-24 . . .						
24-25 . . .						
25-26 . . .						
1926-27 . . .						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 20

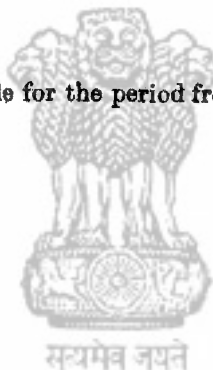
River HIRANYAKESHI (Ghataprabha)

Site AJRA

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>

Data not available for the period from 1904-05 to 1918-19



1919-20 . . .	12	7	Nil	6	Nil	Nil
20-21 . . .	2	1	1	1	„	„
1921-22 . . .	5	3	1	3	Nil	Nil
22-23 . . .						
23-24 . . .						
24-25 . . .						
25-26 . . .						
1926-27 . . .						

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)**

Site **AJRA**

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.

Data not available for the period from 1904-05 to 1918-19



1919-20 . . .	Nil	Nil	Nil	Nil	Nil	Nil
20-21 . . .	"	"	"	"	"	"
1921-22 . . .	Nil	Nil	Nil	Nil	Nil	Nil
22-23 . . .						
23-24 . . .						
24-25 . . .						
25-26 . . .						
1926-27 . . .						

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 20

River **HIRANYAKESHI (Ghataprabha)**

Site **AJRA**

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>

Data not available for the period from 1904-05 to 1918-19



1919-20 . . .	Nil	Nil	Nil	Nil	Nil	Nil
20-21 . . .	„	„	„	„	„	„
1921-22 . . .	Nil	Nil	Nil	Nil	Nil	Nil
22-23 . . .						
23-24 . . .						
24-25 . . .						
25-26 . . .						
1926-27 . . .						

**M AN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 21

River **MARKANDEYA (Ghataprabha)** *Site* **BASAPUR** *Month* **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	50	29	31	35	0.002	0.1
50-51						
1951-52 . . .	(Nil)	20	173	64	0.004	0.2
52-53 . . .	"	10	106	39	0.002	0.1
53-54 . . .	"	(Nil)	1,448	483	0.029	1.3
54-55 . . .	10	139	53	67	0.004	0.2
5 Years' Average	12	40	362	138	0.008	0.4

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	51	550	399	335	0.021	0.9
50-51						
1951-52 . . .	116	71	1,004	416	0.026	1.1
52-53 . . .	121	80	2,186	841	0.052	2.3
53-54 . . .	3,256	928	273	1,446	0.089	3.9
54-55 . . .	51	29	31	37	0.002	0.1
5 Years' Average	719	332	779	615	0.038	1.7

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	344	281	193	270	0.017	0.7
50-51						
1951-52 . . .	693	596	217	493	0.030	1.3
52-53 . . .	1,369	449	386	724	0.045	1.9
53-54 . . .	946	1,800	442	1,042	0.064	2.8
54-55 . . .	51	560	399	339	0.021	0.9
5 Years' Average	681	737	327	574	0.035	1.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 21

River **MARKANDEYA (Ghataprabha)** *Site* **BASAPUR** *Month* **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	108	65	126	100	0.006	0.3
50-51						
1951-52 . . .	95	65	80	80	0.005	0.2
52-53 . . .	146	68	48	87	0.005	0.2
53-54 . . .	178	146	128	151	0.009	0.4
54-55 . . .	154	171	131	152	0.009	0.4
5 Years' Average	136	103	103	114	0.007	0.3

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	74	53	175	103	0.006	0.3
50-51* . . .	N.A.	355	166	247	0.015	0.7
1951-52 . . .	254	125	112	162	0.010	0.4
52-53 . . .	264	216	101	191	0.012	0.5
53-54 . . .	384	180	669	420	0.026	1.1
54-55 . . .	164	92	119	125	0.008	0.3
5 Years' Average	228	133	235	200	0.012	0.5

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	62	42	32	45	0.003	0.1
50-51* . . .	92	59	35	58	0.003	0.2
1951-52 . . .	46	32	87	55	0.003	0.1
52-53 . . .	57	38	24	40	0.002	0.1
53-54 . . .	238	90	63	130	0.008	0.3
54-55 . . .	63	52	44	53	0.003	0.1
5 Years' Average	93	51	50	65	0.004	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River **MALAPRABHA**

Site **ASOGA**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	98	44	282	142	0.008	0.4
50-51* . . .	N.A.	N.A.	N.A.			
1951-52 . . .	8	220	786	338	0.020	0.9
52-53 . . .	(Nil)	(Nil)	387	129	0	0.3
. . .	N.A.	N.A.	2,511			
54-55* . . .	„	„	N.A.			
55-56 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1956-57* , . .	N.A.	N.A.	N.A.			
57-58 . . .	(Nil)	(Nil)	57	19	0.001	Nil
58-59 . . .	„	„		356	0.021	0.9
59-60 . . .	„	„	(Nil)	(Nil)	(Nil)	(Nil)
60-61 . . .	„	7	474	160	0.010	0.4
8 Years' Average	13	34	382	143	0.008	0.4

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River **MALAPRABHA**

Site **ASOGA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50	223	2,091	833	1,042	0.064	2.8
50-51*	N.A.	N.A.	N.A.			
1951-52	285	156	2,381	987	0.061	2.6
52-53	227	333	3,692	1,490	0.092	4.0
53-54*	N.A.	716	969	869	0.053	2.3
54-55*	N.A.	N.A.	N.A.			
55-56	938	559	367	613	0.038	1.6
1956-57*	3,042	1,834	1,911	2 251	0 138	6 0
57-58	1,256	1,878	709	1,263	0.078	3.4
58-59	3,156	4,825	2,217	3,361	0.207	9 0
59-60	1,255	613	1,305	1,066	0.066	2.9
60-61	2,614	227	1 480	1,442	0.089	3.9
8 Years' Average	1,244	1,335	1 623	1,408	0 087	3.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River **MALAPRABHA**

Site **ASOGA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1,225	771	360	772	0.047	2.1
50-51* . . .	N.A.	N.A.	N.A.			
1951-52 . . .	1,657	1,152	446	1,064	0.065	2.8
52-53 . . .	1,896	778	767	1,135	0.070	3.0
53-54* . . .	3,120	2,793	1,104	2,339	0.144	6.3
54-55* . . .	3,317	957	314	1,490	0.092	4.0
55-56 . . .	966	436	1,098	842	0.052	2.3
1956-57* . . .	2,841	1,062	394	1,399	0.086	3.7
57-58 . . .	2,324	931	2,525	1,946	0.120	5.2
58-59 . . .	442	736	987	730	0.045	2.0
59-60 . . .	1,257	579	1,293	1,043	0.064	2.8
60-61 . . .	1,790	1,194	407	1,107	0.068	3.0
8 Years' Average	1,445	822	985	1,080	0.066	2.9

* Not considered for calculating the average

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River MALAPRABHA		Site ASOGA			Month SEPTEMBER	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1949-50 . . . :	347	345	430	374	0.022	1.0
50-51* . . .	N.A.	N.A.	N.A.			
1951-52 . . .	124	61	126	104	0.006	0.3
52-53 . . .	150	73	67	96	0.006	0.2
53-54* . . .	356	189	118	224	0.013	0.6
54-55* . . .	322	523	306	384	0.023	1.0
55-56 . . .	980	310	393	571	0.034	1.5
1956-57* . . .	335	167	228	244	0.015	0.6
57-58 . . .	219	191	101	170	0.010	0.4
58-59 . . .	666	411	171	416	0.025	1.1
59-60 . . .	902	346	313	520	0.031	1.3
60-61 . . .	147	112	111	124	0.007	0.3
8 Years' Average	442	235	214	297	0.018	0.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

<i>River</i> MALAPRABHA	<i>Site</i> ASOGA				<i>Month</i> OCTOBER	
<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	136	70	196	136	0.008	0.4
50-51* . . .	N.A.	N.A.	N.A.			
1951-52 . . .	551	170	68	257	0.016	0.7
52-53 . . .	285	262	81	205	0.013	0.5
53-54* . . .						
54-55* . . .	209	122	93	140	0.009	0.4
55-56 . . .	2,550	750	315	1,176	0.072	3.1
1956-57* . . .						
57-58 . . .	241	298	221	252	0.015	0.7
58-59 . . .	241	140	76	150	0.009	0.4
59-60 . . .	185	118	72	123	0.008	0.3
60-61 . . .	63	57	48	55	0.003	0.1
8 Years' Average	532	233	135	294	0.018	0.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River MALAPRABHA

Site ASOGA

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	63	39	18	40	0.002	0.1
50-51* . . .	202	89	32	110	0.007	0.3
1951-52 . . .	36	(Nil)	(Nil)	12	0.001	(Nil)
52-53 . . .	59	27	13	33	0.002	0.1
53-54* . . .	N.A.	N.A.	N.A.			
54-55* . . .	44	24	„	34	0.002	0.1
55-56 . . .	158	78	41	92	0.005	0.2
1956-57* . . .	134	71	73	93	0.006	0.2
57-58 . . .	272	382	74	243	0.014	0.6
58-59 . . .	40	21	8	23	0.001	0.1
59-60 . . .	73	90	25	63	0.004	0.2
60-61 . . .	41	30	18	30	0.002	0.1
8 Years' Average	93	83	25	67	0.004	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 22

River **MALAPRABHA**

Site **ASOGA**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	13	11	15	13	0.001	Nil
50-51* . . .	N.A.	N.A.	N.A.			
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
52-53 . . .	16	15	9	14	0.001	Nil
53-54* . . .						
54-55* . . .						
55-56 . . .	22	9	2	11	0.001	Nil
1956-57* . . .	28	16	10	18	0.001	Nil
57-58 . . .	35	14	7	18	0.001	;
58-59 . . .	17	9	7	11	0.001	„
59-60 . . .	13	4	4	7	Nil	„
60-61 . . .	12	7	2	7	„	„
8 Years' Average	16	9	6	10	0.001	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 23

River **MALAPRABHA**

Site **KOLCHI**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1951-52 . . .	3,700	567	1,596	1,676	0.100	4.3
52-53 . . .	294	8	896	384	0.023	1.0
53-54 . . .	96	112	3,375	1,110	0.066	2.9
54-55 . . .	429	384	374	396	0.024	1.0
55-56 . . .	393	129	952	506	0.030	1.3
1956-57 . . .	(150)	193	3,676	1,340	0.080	3.5
57-58 . . .	625	2,161	2,051	1,655	0.098	4.3
58-59 . . .	283	182	5,559	1,935	0.115	5.0
59-60 . . .	242	463	2,757	1,134	0.067	2.9
60-61 . . .	110	130	1,328	522	0.031	1.4
10 Years' Average	632	427	2,256	1,066	0.063	2.8

Month **JULY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1951-52 . . .	1,241	778	4,148	1,596	0.098	4.3
52-53 . . .	920	304	5,402	2,398	0.147	6.4
53-54 . . .	9,188	3,092	945	4,329	0.266	11.6
54-55 . . .	5,305	8,183	2,815	5,235	0.322	14.0
55-56 . . .	2,406	1,316	1,100	1,577	0.097	4.2
1956-57 . . .	8,492	8,114	7,596	8,051	0.495	21.6
57-58 . . .	6,141	12,939	3,649	7,576	0.466	20.3
58-59 . . .	19,676	52,421	22,250	31,121	1.914	83.4
59-60 . . .	25,217	11,264	16,478	17,615	1.083	47.2
60-61 . . .	9,190	2,048	4,751	5,311	0.327	14.2
10 Years' Average	8,778	10,046	6,913	8,481	0.522	22.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 23

River **MALAPRABHA**

Site **KOLCHI**

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	3,591	3,117	1,952	2,805	0.172	7.5
52-53 . . .	5,001	4,227	3,715	4,288	0.264	11.5
53-54 . . .	6,565	16,364	2,960	6,902	0.424	18.5
54-55 . . .	7,433	4,115	2,196	5,154	0.317	13.8
55-56 . . .	1,320	1,176	2,734	1,744	0.107	4.7
1956-57 . . .	18,962	4,967	3,458	9,775	0.601	26.2
57-58 . . .	6,818	4,210	13,356	8,467	0.521	22.7
58-59 . . .	2,589	3,282	3,743	3,298	0.198	8.6
59-60 . . .	6,066	3,562	4,105	4,562	0.281	12.2
60-61 . . .	6,591	5,821	2,490	4,888	0.301	13.1
10 Years' Average	6.494	5.084	4.071	5.161	0.319	13.9

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	1,260	692	838	906	0.054	
52-53 . . .	1,095	684	650	816	0.049	2.1
53-54 . . .	920	635	492	716	0.043	1.9
54-55 . . .	1,806	2,392	1,622	1,923	0.114	5.0
55-56 . . .	3,782	1,804	3,540	3,090	0.184	8.0
1956-57 . . .	2,163	2,300	2,312	2,258	0.134	5.9
57-58 . . .	2,031	2,137	1,368	1,857	0.110	4.8
58-59 . . .	2,906	2,024	1,590	2,196	0.131	5.7
59-60 . . .	5,009	2,731	3,630	3,790	0.226	9.8
60-61 . . .	1,592	1,244	2,694	1,844	0.110	4.8
10 Years' Average	2.256	1.664	1.874	1.940	0.116	5.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 23

River MALAPRABHA

Site KOLCHI

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F</i>	<i>T. M. C</i>
1951-52 . .	3,974	1,154	604	2,051	0.126	5.5
52-53 . .	1,453	767	286	817	0.050	2.2
53-54 . .	1,824	4,024	3,931	3,527	0.217	9.4
54-55 . .	858	900	633	795	0.049	2.1
55-56 . .	8,302	4,883	3,400	5,422	0.333	14.5
1956-57 . .	3,124	8,537	2,211	4,623	0.284	12.4
57-58 . .	2,567	1,748	(1,578)	1,950	0.120	5.2
58-59 . .	1,168	1,340	860	1,105	0.068	3.0
59-60 . .	1,503	1,136	1,711	1,458	0.090	3.9
60-61 . .	1,368	1,026	566	973	0.060	2.6
10 Years' Average	2,614	2,551	1,578	2,272	0.140	6.1

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1951-52 . .	585	546	52	553	0.033	1.4
52-53 . .	160	150	157	157	0.009	0.4
53-54 . .	1,788	562	290	867	0.052	2.2
54-55 . .	254	262	267	261	0.016	0.7
55-56 . .	1,182	686	350	754	0.045	2.0
1956-57 . .	4,895	1,861	1,730	2,871	0.171	7.4
57-58 . .	(1,209)	(666)	(542)	(804)	(0.048)	(2.1)
58-59 . .	447	406	511	455	0.027	1.2
59-60 . .	1,083	1,186	765	1,011	0.060	2.6
60-61 . .	482	278	282	347	0.021	0.9
10 Years' Average	1,209	666	542	808	0.048	2.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 23

River MALAPRABHA

Site KOLCHI

Month DECEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month		
					M. A. F.	T. M. C.
1951-52 . . .	241	6	10	31	0.002	0.1
52-53 . . .	158	152	134	148	0.009	0.4
53-54 . . .	174	148	160	161	0.010	0.4
54-55 . . .	195	208	189	197	0.012	0.5
55-56 . . .	295	(265)	(235)	264	0.016	0.7
1956-57 . . .	501	364	272	370	0.023	1.0
57-58 . . .	(285)	(205)	(189)	(225)	(0.014)	(0.6)
58-59 . . .	457	283	268	334	0.021	0.9
59-60 . . .	354	319	327	333	0.020	0.9
60-61 . . .	188	99	102	129	0.008	0.3
10 Years' Average	285	205	189	219	0.013	0.6

Month JANUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month		
					M. A. F.	T. M. C.
1951-52 . . .	12	13	12	12	0.001	Nil
52-53 . . .	146	118	103	121	0.007	0.3
53-54 . . .	183	164	163	170	0.010	0.5
54-55 . . .	152	121	97	122	0.008	0.3
55-56 . . .	206	164	148	172	0.011	0.5
1956-57 . . .	217	153	105	159	0.010	0.4
57-58 . . .	314	320	251	292	0.018	0.8
58-59 . . .	(177)	(155)	(123)	(151)	(0.009)	(0.4)
59-60 . . .	262	261	148	221	0.014	0.6
60-61 . . .	102	77	78	85	0.005	0.2
10 Years' Average	177	155	123	151	0.009	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 23

River MALAPRABHA		Site KOLCHI				Month FEBRUARY	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month		
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.	
1951-52 . . .	15	15	15	15	0.001	Nil	
52-53 . . .	103	101	105	103	0.006	0.2	
53-54 . . .	178	165	313	205	0.011	0.5	
54-55 . . .	87	112	121	105	0.006	0.3	
55-56 . . .	130	120	106	119	0.007	0.3	
1956-57 . . .	79	69	69	72	0.004	0.2	
57-58 . . .	198	153	112	156	0.009	0.4	
58-59 . . .	(110)	(98)	(110)	(106)	(0.006)	(0.3)	
59-60 . . .	143	97	97	113	0.006	0.3	
60-61 . . .	56	50	54	53	0.003	0.1	
10 Years' Average	110	98	110	105	0.006	0.3	

						Month MARCH	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
1951-52 . . .	12	14	10	12	0.001	Nil	
52-53 . . .	111	97	97	101	0.006	0.3	
53-54 . . .	300	262	252	268	0.016	0.7	
54-55 . . .	177	114	76	121	0.007	0.3	
55-56 . . .	94	74	55	73	0.004	0.2	
1956-57 . . .	69	69	69	69	0.004	0.2	
57-58 . . .	119	125	(130)	121	0.007	0.3	
58-59 . . .	(114)	(100)	(94)	(102)	(0.006)	(0.3)	
59-60 . . .	97	98	98	97	0.006	0.3	
60-61 . . .	50	48	55	51	0.003	0.1	
10 Years' Average	114	100	94	102	0.006	0.3	

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 23

River MALAPRABHA

Site KOLCHI

Month APRIL

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1951-52 . . .	7	6	21	12	0.001	Nil
52-53 . . .	113	300	140	180	0.011	0.5
53-54 . . .	276	283	206	254	0.015	0.7
54-55 . . .	62	63	66	64	0.004	0.2
55-56 . . .	118	173	85	128	0.008	0.3
1956-57 . . .	74	74	77	75	0.004	0.2
57-58 . . .	132	137	(101)	123	0.007	0.3
58-59 . . .	(103)	286	128	172	0.010	0.4
59-60 . . .	99	99	124	107	0.006	0.3
60-61 . . .	50	50	58	53	0.003	0.1
10 Years' Average	103	147	101	117	0.007	0.3

Month MAY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1951-52 . . .	8	9	6	8	Nil	Nil
52-53 . . .	117	105	105	109	0.007	0.3
53-54 . . .	313	574	290	395	0.024	1.1
54-55 . . .	265	149	1,384	612	0.038	1.6
55-56 . . .	89	68	111	91	0.006	0.2
1956-57 . . .	152	56	126	105	0.006	0.3
57-58 . . .	(148)	(258)	(737)	(392)	(0.024)	(1.0)
58-59 . . .	(148)	104	373	214	0.013	0.6
59-60 . . .	149	589	156	293	0.018	0.8
60-61 . . .	92	668	4,084	1,694	0.104	4.5
10 Years' Average	148	258	737	392	0.024	1.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 24

River **MALAPRABHA**

Site **HIRESANGAM**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1952-53 . . .	2,585	1,453	3,740	2,593	0.154	6.7
53-54 . . .	(1,944)	2,073	8,922	4,313	0.257	11.2
54-55 . . .	1,475	1,810	3,731	2,650	0.158	6.9
55-56 . . .	2,386	2,616	2,378	2,463	0.147	6.4
1956-57 . . .	1,328	1,538	8,693	4,033	0.240	10.5
5 Years' Average	1.944	1.898	5.493	3.210	0.191	8.3

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1952-53 . . .	7,872	4,678	31,566	14,887	0.915	39.9
53-54 . . .	22,609	17,839	10,253	14,958	0.920	40.1
54-55 . . .	10,846	30,646	22,455	21,353	1.313	57.2
55-56 . . .	12,004	10,815	8,822	10,491	0.645	28.1
1956-57 . . .	23,924	19,759	18,194	20,547	1.263	55.0
5 Years' Average	15.451	16.747	18.258	16.447	1.011	44.1

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1952-53 . . .	(23,041)	13,663	12,364	16,227	0.998	43.5
53-54 . . .	12,549	27,363	15,124	21,869	1.345	58.6
54-55 . . .	36,370	20,748	14,789	23,673	1.456	63.4
55-56 . . .	8,754	7,997	13,487	10,189	0.626	27.3
1956-57 . . .	35,890	12,597	8,155	14,370	0.884	38.5
57-58* . . .	4,778	10,000	11,858	8,878	0.546	23.8
5 Years' Average	23.321	16.474	12.784	17.266	1.062	46.3

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 24

River **MALAPRABHA**

Site **HIRESANGAM**

Month **SEPTEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1952-53 . . .	4,292	2,575	5,724	4,197	0.250	10.9
53-54 . . .	6,890	17,118	15,537	13,182	0.784	34.2
54-55 . . .	17,660	20,895	19,421	19,315	1.149	59.1
55-56 . . .	17,180	15,983	23,791	18,985	1.130	49.2
1956-57 . . .	6,616	9,376	8,941	8,311	0.495	21.5
57-58* . . .	4,464	7,327	2,568	4,945	0.294	12.8
5 Years' Average	10,528	13,189	14,683	12,798	0.752	33.2

Month **OCTOBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1952-53 . . .	11,499	5,255	2,889	5,211	0.320	14.0
53-54 . . .	24,759	7,254	17,226	20,368	1.252	54.6
54-55 . . .	11,819	8,390	11,498	10,599	0.652	28.4
55-56 . . .	31,373	20,617	19,865	23,820	1.465	63.3
1956-57 . . .	16,630	27,256	6,065	16,309	1.003	43.7
57-58* . . .	7,617	4,094	14,792	9,027	0.555	24.2
5 Years' Average	19,216	15,754	11,509	15,261	0.938	40.9

Month **NOVEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1952-53 . . .	(5,114)	(6,132)	(1,046)	(4,097)	(0.244)	(10.6)
53-54 . . .	6,243	3,768	1,683	4,149	0.247	10.8
54-55 . . .	5,080	5,225	2,586	4,297	0.256	11.1
55-56 . . .	14,831	10,384	(5,000)	10,072	0.599	26.1
1956-57 . . .	20,573	8,264	4,622	11,153	0.664	28.9
57-58* . . .	5,114	6,132	1,046	4,097	0.244	10.6
5 Years' Average	10,368	6,755	2,987	6,754	0.402	17.5

* Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 25

River **BHIMA**

Site **CHASKAMAN**

Year	Volume of flow	
	A. F.	T. M. C.
1906	0.211	9.2
07	0.418	18.2
08	0.553	24.1
09	0.308	13.4
10	0.714	31.1
1911	0.489	21.3
12	0.861	37.5
13	1.157	50.4
14	0.712	31.0
15	0.383	16.7
1916	0.413	18.0
17	0.328	14.3
18	0.129	5.6
19	0.418	18.2
20	0.213	9.3
1921	0.296	12.9
1.1.22 to 30.4.22*	Nil	Nil
1922-23	0.298	13.0
23-24	0.289	12.6
24-25	0.344	15.0
25-26	0.278	12.1
20 Years' Average	0.441	19.2

* Not considered for calculating the average.

NOTE :—The figures for the years 1906 to 1919 are the volumes of flow for seven months only (June to December). The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 26

River **BHIMA**

Site **DHOND**

Month **DECEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						
55-56 . . .	391	339	355	361	0.022	1.0
1956-57 . . .						
57-58 . . .						
58-59 . . .	(343)	278	232	283	0.017	0.8
59-60 . . .	(343,	(288)	(262)	(297)	(0.018)	(0.8)
60-61 . . .	295	246	198	245	0.015	0.7
4 Years' Average	343	283	262	296	0.018	0.8

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 26

River BHIMA

Site DHOND

Month JANUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .						
50-51 . . .						
1951-52* . . .	60	104	78	80	0.005	0.2
52-53 . . .						
53-54 . . .						
54-55 . . .						
55-56 . . .	259	205	182	214	0.013	0.6
1956-57* . . .	N.A.	390	300	343	0.021	0.9
57-58* . . .						
58-59 . . .	194	158	127	159	0.010	0.4
59-60 . . .	246	193	106	179	0.011	0.5
60-61 . . .	176	171	97	146	0.009	0.4
4 Years' Average	219	182	128	174	0.011	0.5

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 26

River **BHIMA**

Site **DHOND**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1949-50 . . .						
50-51* . . .	47	81	63	64	0.003	0.2
1951-52* . . .	52	39	34	42	0.002	0.1
52-53 . . .						
53-54 . . .						
54-55 . . .						
55-56 . . .	178	137	126	148	0.009	0.4
1956-57 . . .						
57-58* . . .	98	108	68	93	0.005	0.2
58-59 . . .	92	79	45	76	0.004	0.2
59-60 . . .	77	69	64	70	0.004	0.2
60-61 . . .	61	51	65	59	0.003	0.1
4 Years' Average	102	84	75	88	0.005	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 26

River **BHIMA**

Site **DHOND**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .						
50-51* . . .	59	50	25	44	0.003	0.1
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						
55-56 . . .	110	94	64	88	0.005	0.2
1956-57 . . .						
57-58 . . .						
58-59 . . .	32	30	20	27	0.002	0.1
59-60 . . .	64	45	42	50	0.003	0.1
60-61 . . .	42	28	12	27	0.002	0.1
4 Years' Average	62	49	34	48	0.003	0.1

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 26

River **BHIMA**

Site **DHOND**

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1949-50* . . .	57	35	17	36	0.002	0.1
50-51* . . .	18	27	23	23	0.001	0.1
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55* . . .	30	5	Nil	12	0.001	Nil
55-56 . . .	84	239	111	145	0.009	0.4
1956-57 . . .						
57-58 . . .						
58-59 . . .	10	6	9	8	Nil	Nil
59-60 . . .	40	19	29	30	0.002	0.1
60-61 . . .	6	28	13	16	0.001	Nil
4 Years' Average	35	73	40	50	0.003	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 26

River **BHIMA**

Site **DHOND**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	11	9	N.A.	10	0.001	Nil
50-51* . . .	7	4	3	4	Nil	„
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55* . . .	Nil	Nil	Nil	Nil	Nil	Nil
55-56 . . .	218	147	(100)	153	0.009	0.4
1956-57 . . .						
57-58 . . .						
58-59 . . .	26	84	96	71	0.004	0.2
59-60 . . .	16	9	(Nil)	8	Nil	Nil
60-61 . . .	18	62	Nil	26	0.002	0.1
4 Years' Average	70	76	49	64	0.004	0.2

* Not considered for calculating the average.

(26.6)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 27

River **BHIMA**

Site **YADGIR**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .						
58-59 . . .	12,210	12,210	13,614	12,678	0.754	32.9
59-60						
60-61						

Month. **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	36,784	53,393	61,299	51,309	3.155	137.4
58-59 . . .	32,357	114,260	119,874	89,832	5.524	240.6
59-60						
60-61						

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	61,949	102,412	94,099	86,410	5.313	231.4
58-59 . . .	44,891	62,564	111,163	74,108	4.557	198.5
59-60						
60-61						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 27

River BHIMA

Site YADGIR

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	32,370	84,150	33,608	50,043	2.978	129.7
58-59 . . .	114,583	61,068	39,944	71,865	4.276	186.3
59-60						
60-61						

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	25,533	17,102	88,495	45,155	2.776	120.9
58-59 . . .	34,195	44,558	20,844	32,800	2.017	87.9
59-60						
60-61						

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	31,810	21,120	18,543	23,824	1.418	61.8
58-59 . . .	15,683	12,905	12,210	13,599	0.809	35.2
59-60						
60-61						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 27

River **BHIMA**

Site **YADGIR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	15,683	13,599	12,210	13,778	0.847	36.9
58-59 . . .	12,210	12,210	12,210	12,210	0.751	32.7
59-60						
60-61						

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	12,210	12,210	12,210	12,210	0.751	32.7
58-59 . . .	10,656	9,620	9,620	9,954	0.612	26.7
59-60						
60-61						

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1957-58 . . .	12,210	12,210	12,210	12,210	0.678	29.5
58-59 . . .	9,620	9,620	7,354	8,972	0.498	21.7
59-60						
60-61						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 27

River BHIMA

Site YADGIR

Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1957-58	12,210	12,210	12,210	12,210	0.751	32.7
58-59	7,030	7,030	7,030	7,030	0.432	18.8
59-60						
60-61						

Month APRIL

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1957-58	8,066	9,620	7,030	8,239	0.490	21.4
58-59						
59-60						
60-61						

Month MAY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1957-58	7,030	7,030	10,171	8,145	0.501	21.8
58-59						
59-60						
60-61						

**MEAN DISCHARGE BY 10 DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River **BHAMA (BHIMA)**

Site **WAKI**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	5	2	10	5	Nil	Nil
50-51 . . .	3	Nil	Nil	1	„	„
1951-52 . . .	17	22	377	139	0.008	0.4
52-53 . . .						
53-54 . . .	Nil	140	1,142	427	0.025	1.1
54-55 . . .	1	1	174	59	9.004	0.2
55-56 . . .	Nil	Nil	66	22	0.001	0.1
1956-57 . . .	20	Nil	189	70	0.004	0.2
57-58 . . .	12	3	973	329	0.020	0.9
58-59 . . .	2	441	76	173	0.010	0.4
59-60* . . .	4	4	200	69	0.004	0.2
9 Years' Average	7	68	334	136	0.008	0.4

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	16	509	161	226	0.014	0.6
50-51 . . .	Nil	1,697	2,578	1,462	0.090	3.9
1951-52 . . .	40	61	1,196	457	0.028	1.2
52-53 . . .						
53-54 . . .	1,385	829	220	792	0.049	2.1
54-55 . . .	966	3,444	652	1,654	0.102	4.4
55-56 . . .	712	558	606	625	0.038	1.7
1956-57 . . .	3,124	2,393	2,029	2,500	0.154	6.7
57-58 . . .	812	2,262	722	1,248	0.077	3.3
58-59 . . .	1,291	8,014	1,449	3,516	0.216	9.4
59-60* . . .	1,067	1,741	3,819	2,261	0.139	6.1
9 Years' Average	927	2,196	1,068	1,387	0.085	3.7

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River BHAMA (BHIMA)

Site WAKI

Month AUGUST

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	700	239	40	317	0.019	0.8
50-51 . . .	444	151	43	207	0.013	0.6
1951-52 . . .	3,028	910	444	1,428	0.088	3.8
52-53 . . .						
53-54 . . .	2,021	2,436	1,045	1,809	0.111	4.8
54-55 . . .	1,843	954	362	1,031	0.063	2.8
55-56 . . .	1,271	1,647	1,454	1,457	0.090	3.9
1956-57 . . .	9,152	1,483	1,073	3,811	0.234	10.2
57-58 . . .	692	434	864	670	0.041	1.8
58-59 . . .	968	946	2,039	1,341	0.082	3.6
59-60 . . .						
9 Years' Average	2,235	1,022	817	1,341	0.082	3.6

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	119	82	444	215	0.013	0.6
50-51 . . .	389	91	52	177	0.011	0.5
1951-52 . . .	208	175	61	148	0.009	0.4
52-53 . . .						
53-54 . . .	397	265	69	244	0.015	0.6
54-55 . . .	2,988	2,052	832	1,957	0.116	5.1
55-56 . . .	2,846	416	912	1,392	0.083	3.6
1956-57 . . .	1,189	453	1,629	1,090	0.065	2.8
57-58 . . .	492	331	129	317	0.019	0.8
58-59 . . .	1,512	1,564	421	1,165	0.069	3.0
59-60 . . .						
9 Years' Average	1,127	603	505	745	0.044	1.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River **BHAMA (BHIMA)**

Site **WAKI**

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	62	48	41	50	0.003	0.1
50-51 . . .	237	54	32	126	0.008	0.3
1951-52 . . .	286	316	373	326	0.020	0.9
52-53 . . .						
53-54 . . .	308	263	85	214	0.013	0.6
54-55 . . .	1 095	240	140	480	0.030	1.3
55-56 . . .	745	635	658	679	0.042	1.8
1956-57 . . .	2,336	879	137	1,086	0.067	2.9
57-58 . . .	68	18	11	31	0.002	0.1
58-59 . . .	230	266	35	172	0.011	0.5
59-60 . . .						
9 Years' Average	596	302	168	352	0.022	0.9

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	25	13	10	16	0.001	Nil
50-51 . . .	19	15	11	15	0.001	„
1951-52 . . .	25	22	105	51	0.003	0.1
52-53 . . .						
53-54 . . .	41	20	11	24	0.001	0.1
54-55 . . .	48	22	16	29	0.002	0.1
55-56 . . .	100	58	34	64	0.004	0.2
1956-57 . . .	1,444	102	673	740	0.044	1.9
57-58 . . .	11	9	8	9	0.001	Nil
58-59 . . .	20	16	128	54	0.003	0.1
59-60 . . .						
9 Years' Average	192	31	111	111	0.007	0.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River **BHAMA (BHIMA)**

Site **WAKI**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	5	4	2	4	Nil	Nil
50-51 . . .	7	7	5	6	„	„
1951-52 . . .	20	16	14	17	0.001	Nil
52-53 . . .						
53-54 . . .	(9)	(7)	(4)	(7)	(Nil)	(Nil)
54-55 . . .	13	10	8	10	0.001	Nil
55-56 . . .	19	15	12	15	0.001	„
1956-57 . . .	99	57	30	61	0.004	0.2
57-58 . . .	6	4	4	6	Nil	Nil
58-59 . . .	73	21	8	33	0.002	0.1
59-60 . . .						
9 Years' Average	28	16	10	18	0.001	Nil

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	2	2	1	1	Nil	Nil
50-51 . . .	5	2	1	3	„	„
1951-52 . . .	13	10	7	10	0.001	Nil
52-53 . . .	5	5	4	5	Nil	„
53-54 . . .	2	1	1	1	„	„
54-55 . . .	7	5	5	6	„	„
55-56 . . .	8	5	4	5	„	„
1956-57 . . .	19	15	12	15	0.001	Nil
57-58 . . .	3	3	3	3	Nil	„
58-59 . . .	6	6	5	5	„	„
59-60 . . .						
19 Years' Average	7	5	4	5	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River BHAMA (BHIMA)

Site WAKI

Month FEBRUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T.M.C.
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	1	1	1	1	"	"
1951-52 . . .	3	3	2	3	Nil	Nil
52-53* . . .	3	2	2	2	"	"
53-54 . . .	1	1	Nil	1	"	"
54-55 . . .	4	3	2	3	"	"
55-56 . . .	3	3	2	3	"	"
1956-57 . . .	9	5	4	6	Nil	Nil
57-58 . . .	2	2	1	1	"	"
58-59 . . .	2	1	1	1	"	"
59-60 . . .						
9 Years' Average	3	2	2	2	Nil	Nil

Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	1	1	Nil	1	"	"
1951-52 . . .	2	2	2	2	Nil	Nil
52-53* . . .	2	1	1	1	"	"
53-54 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
54-55 . . .	2	1	1	1	Nil	Nil
55-56 . . .	2	2	2	2	"	"
1956-57 . . .	4	4	4	4	Nil	Nil
57-58 . . .	Nil	Nil	Nil	Nil	"	"
58-59 . . .	1	"	"	"	"	"
59-60 . . .						
9 Years' Average	1	1	1	1	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 28

River BHAMA (BHIMA)

Site WAKI

Month APRIL

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	Nil	Nil	Nil	Nil	"	"
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
52-53* . . .	1	Nil	Nil	Nil	Nil	Nil
53-54 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
54-55 . . .	1	1	Nil	1	Nil	Nil
55-56 . . .	1	1	"	1	"	"
1956-57 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
57-58 . . .	Nil	Nil	Nil	Nil	Nil	Nil
58-59 . . .	"	"	"	"	"	"
59-60 . . .						
9 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil

Month MAY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	Nil	Nil	2	1	Nil	Nil
50-51 . . .	"	"	39	14	0.001	
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
52-53* . . .	Nil	Nil	Nil	Nil	Nil	Nil
53-54 . . .	"	5	3	3		
54-55 . . .	2	1	Nil	1	"	
55-56 . . .	Nil	Nil	109	39	0.002	0.1
1956-57 . . .	(Nil)	(Nil)	(Nil)	Nil	(Nil)	(Nil)
57-58 . . .	Nil	Nil	30	10	0.001	Nil
58-59 . . .	"	"	13	5	Nil	"
59-60 . . .						
9 Years' Average	Nil	1	22	8	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)** *Site* **WADIVALE**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	7	7	7	7	Nil	Nil
50-51 . . .	1	1	2	1	„	„
1951-52 . . .	2	22	128	51	0.003	0.1
52-53 . . .	26	13	391	143	0.009	0.4
53-54 . . .	Nil	106	2,075	727	0.043	1.9
54-55 . . .		2	100	33	0.002	0.1
55-56 . . .						
1956-57 . . .						
57-58 . . .	1	1	413	138	0.008	0.4
58-59 . . .	1	Nil	118	40	0.002	0.1
59-60 . . .	2	2	45	16	0.001	Nil
60-61 . . .						
9 Years' Average	4	17	364	128	0.008	0.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	256	1,668	766	892	0.055	2.4
50-51 . . .	480	6,622	4,965	5,094	0.313	13.6
1951-52 . . .	88	526	2,041	922	0.057	2.5
52-53 . . .	94	1,028	7,565	3,046	0.187	8.2
53-54 . . .	1,684	424	67	704	0.043	1.9
54-55 . . .	2,068	2,051	359	1,456	0.090	3.9
55-56 . . .						
1956-57 . . .						
57-58 . . .	511	1,722	535	910	0.056	2.4
58-59 . . .	(200)	(300)	(400)	(303)	(0.019)	(0.8)
59-60 . . .	1,099	1,178	1,806	1,376	0.085	3.7
60-61 . . .						
9 Years' Average	720	1,724	2,056	1,634	0.101	4.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1,521	580	129	724	0.045	1.9
50-51 . . .	824	452	39	426	0.026	1.1
1951-52 . . .	3,739	434	245	1,433	0.088	3.8
52-53 . . .	7,253	1,919	830	3,253	0.200	8.7
53-54 . . .	3,179	3,041	522	2,192	0.135	5.9
54-55 . . .	2,697	412	119	1,045	0.064	2.8
55-56 . . .						
1956-57 . . .						
57-58 . . .	2,114	1,329	473	1,278	0.079	3.4
58-59 . . .	547	617	1,037	743	0.046	2.0
59-60 . . .	1,054	465	1,739	1,107	0.068	3.0
60-61 . . .						
9 Years' Average	2,547	1,028	571	1,356	0.083	3.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 29

KUDIL NALLA (BHIMA)

Site **WADIVALE**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1949-50 . . .	342	207	617	389	0.023	1.0
50-51 . . .	1,711	114	407	744	0.044	1.9
1951-52 . . .	42	43	25	37	0.002	0.1
52-53 . . .	186	44	13	81	0.005	0.2
53-54 . . .	206	94	20	107	0.006	0.3
54-55 . . .	2,408	738	507	1,217	0.072	3.2
55-56 . . .						
1956-57 . . .						
57-58 . . .	81	73	16	57	0.003	0.1
58-59 . . .	633	863	173	557	0.033	1.4
59-60 . . .	(1,400)	(1,100)	(800)	(1,100)	(0.065)	(2.9)
60-61 . . .						
Years' Average	779	364	286	477	0.028	1.2

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **OCTOBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1949-50 . . .	85	19	11	37	0.002	0.1
50-51 . . .	575	30	14	200	0.012	0.5
1951-52 . . .	9	10	12	10	0.001	Nil
52-53 . . .	3	9	5	9	0.001	„
53-54 . . .	10	24	4	13	0.001	„
54-55 . . .	88	10	5	33	0.002	0.1
55-56 . . .						
1956-57 . . .						
57-58 . . .	8	5	5	6	Nil	Nil
58-59 . . .	31	9	5	15	0.001	„
59-60 . . .	(500)	235	160	294	0.018	0.8
60-61 . . .						
9 Years' Average	145	39	25	69	0.004	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50	6	3	3	4	Nil	Nil
50-51	11	5	3	6	"	"
1951-52	8	3	4	5	Nil	Nil
52-53	6	5	5	5	"	"
53-54	3	3	3	3	"	"
54-55	3	3	3	3	"	"
55-56						
1956-57						
57-58	3	3	3	3	Nil	Nil
58-59	(6)	(4)	(3)	(4)	(Nil)	(Nil)
59-60	(6)	(4)	(3)	(4)	"	"
60-61						
9 Years' Average	6	4	3	4	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1949-50 . . .	3	2	2	2	Nil	Nil
50-51 . . .	3	2	2	2	,,	,,
1951-52 . . .	4	2	2	2	Nil	Nil
52-53 . . .	3	3	3	3	,,	,,
53-54 . . .	2	2	2	2	,,	,,
54-55 . . .	2	2	2	2	,,	,,
55-56 . . .						
1956-57 . . .						
57-58 . . .	2	2	2	2	Nil	Nil
58-59 . . .	5	4	(2)	4	,,	,,
59-60 . . .	(3)	(2)	(2)	(2)	(Nil)	(Nil)
60-61 . . .						
9 Years' Average	3	2	2	2	Nil	Nil

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **JANUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	(2)	(2)	1	2	Nil	Nil
50-51 . . .	2	2	2	2	"	"
1951-52 . . .	2	2	2	2	Nil	Nil
52-53 . . .	3	3	2	3	"	"
53-54 . . .	1	1	1	1	"	"
54-55 . . .	2	2	2	2	"	"
55-56 . . .						
1956-57 . . .						
57-58 . . .	2	2	2	2	Nil	Nil
58-59 . . .	(2)	(2)	(2)	(2)	(Nil)	(Nil)
59-60 . . .	(2)	(2)	(2)	(2)	"	"
60-61 . . .						
9 Years' Average	2	2	2	2	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River KUDIL NALLA (BHIMA)

Site WADIVALE

Month FEBRUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	2	2	2	2	,,	,,
1951-52 . . .	2	2	2	2	Nil	Nil
52-53 . . .	2	2	2	2	,,	,,
53-54 . . .	1	1	1	1	,,	,,
54-55 . . .	1	1	1	1	,,	,,
55-56 . . .						
1956-57 . . .						
57-58 . . .	1	1	1	1	Nil	Nil
58-59 . . .	1	1	1	1	,,	,,
59-60 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61 . . .						
9 Years' Average	1	1	1	1	Nil	Nil

(29.9)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A F.-</i>	<i>T. M. C.</i>
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	2	2	2	2	„	„
1951-52 . . .	1	1	1	1	Nil	Nil
52-53 . . .	2	2	1	2	„	„
53-54 . . .	1	1	Nil	1	„	„
54-55 . . .	1	1	3	2	„	„
55-56 . . .						
1956-57 . . .						
57-58 . . .	1	1	1	1	Nil	Nil
58-59 . . .	1	1	1	1	„	„
59-60 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61 . . .						
9 Years' Average	1	1	1	1	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	2	2	2	2	„	„
1951-52 . . .	1	1	1	1	Nil	Nil
52-53 . . .	1	1	1	1	„	„
53-54 . . .	Nil	Nil	Nil	Nil	„	„
54-55 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
55-56 . . .						
1956-57* . . .	2	1	1	1	Nil	Nil
57-58 . . .	1	Nil	Nil	Nil	„	„
58-59 . . .	1	1	1	1	„	„
59-60 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61 . . .						
9 Years' Average	1	1	1	1	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 29

River **KUDIL NALLA (BHIMA)**

Site **WADIVALE**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	2	1	4	2	„	„
1951-52 . . .	1	Nil	1	1	Nil	Nil
52-53 . . .	1	1	1	1	„	„
53-54 . . .	Nil	Nil	Nil	Nil	„	„
54-55 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
55-56 . . .						
1956-57* . . .	1	1	1	1	Nil	Nil
57-58 . . .	1	Nil	1	1	„	„
58-59 . . .	1	1	1	1	„	„
59-60 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61 . . .						
9 Years' Average	1	1	1	1	Nil	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 30

River **VEL BHIMA)**

Site **SHIKRAPUR**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1949-50 . . .	1	Nil	3	2	Nil	Nil
50-51 . . .	10	„	Nil	3	„	„
1951-52 . . .	87	14	47	49	0.003	0.1
52-53 . . .	109	9	1	40	0.002	0.1
53-54 . . .	Nil	2	158	53	0.003	0.1
54-55 . . .	8	12	25	15	0.001	Nil
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	Nil	Nil	13	4	Nil	Nil
57-58 . . .	4	7	416	143	0.009	0.4
58-59 . . .	1	12	4	5	Nil	Nil
59-60 . . .	Nil	15	47	21	0.001	0.1
60-61 . . .	10	4	10	8	Nil	Nil
11 Years' Average	21	7	66	31	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	Nil	1	Nil	<i>Nil</i>	Nil	Nil
50-51 . . .	8	64	335	<i>142</i>	0.009	0.4
1951-52 . . .	26	60	38	<i>41</i>	0.003	0.1
52-53 . . .	Nil	3	39	<i>15</i>	0.001	Nil
53-54 . . .	7	1	Nil	<i>3</i>	Nil	„
54-55 . . .	7	38	47	<i>31</i>	0.002	0.1
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	134	190	11	<i>146</i>	0.009	0.4
57-58 . . .	57	69	60	<i>62</i>	0.004	0.2
58-59 . . .	2	1,301	219	<i>498</i>	0.031	1.3
59-60 . . .	23	31	639	<i>244</i>	0.015	0.7
60-61 . . .	93	26	42	<i>53</i>	0.003	0.1
11 Years' Average	32	162	140	112	0.007	0.3

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **AUGUST**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	3	7	15	8	Nil	Nil
50-51 . . .	128	54	92	91	1.006	0.2
1951-52 . . .	51	48	15	37	0.002	0.1
52-53 . . .	147	51	35	76	0.005	0.2
53-54 . . .	7	41	19	23	0.001	0.1
54-55 . . .	40	33	17	30	0.002	0.1
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	1,547	184	111	598	0.037	1.6
57-58 . . .	86	73	53	70	0.004	0.2
58-59 . . .	53	110	129	98	0.006	0.3
59-60 . . .	240	76	59	123	0.008	0.3
60-61 . . .	61	45	32	45	0.003	0.1
11 Years' Average	215	66	52	109	0.007	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	22	11	360	131	0.008	0.3
50-51 . . .	56	72	1,414	514	0.031	1.3
1951-52 . . .	6	7	33	15	0.001	Nil
52-53 . . .	12	4	50	22	0.001	0.1
53-54 . . .	6	19	15	14	0.001	Nil
54-55 . . .	106	69	49	74	0.004	0.2
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	161	110	263	178	0.011	0.5
57-58 . . .	33	46	36	38	0.002	0.1
58-59 . . .	126	94	77	99	0.006	0.3
59-60 . . .	86	63	292	147	0.009	0.4
60-61 . . .	32	37	448	172	0.010	0.4
11 Years' Average	59	48	276	128	0.008	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F</i>	<i>T. M. C.</i>
1949-50 . . .	127	212	41	124	0.008	0.3
50-51 . . .	296	309	51	214	0.013	0.6
1951-52 . . .	181	63	54	98	0.006	0.3
52-53 . . .	70	16	9	31	0.002	0.1
53-54 . . .	23	10	2	12	0.001	Nil
54-55 . . .	39	21	12	24	0.001	0.1
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	2,876	222	127	1,045	0.064	2.8
57-58 . . .	42	26	22	30	0.002	0.1
58-59 . . .	53	43	24	39	0.002	0.1
59-60 . . .	66	62	56	61	0.004	0.2
60-61 . . .	100	324	111	176	0.011	0.5
11 Years' Average	352	119	46	169	0.010	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	21	17	12	17	0.001	Nil
50-51 . . .	27	19	8	18	0.001	„
1951-52 . . .	22	11	143	58	0.003	0.2
52-53 . . .	1	Nil	Nil	Nil	Nil	Nil
53-54 . . .	Nil	„	„	„	„	„
54-55 . . .	2	1	1	1	„	„
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	245	133	828	402	0.024	1.0
57-58 . . .	12	15	9	12	0.001	Nil
58-59 . . .	11	6	220	79	0.005	0.2
59-60 . . .	44	650	42	245	0.015	0.6
60-61 . . .	92	83	66	80	0.005	0.2
11 Years' Average	43	85	121	83	0.005	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	6	4	2	4	Nil	Nil
50-51 . . .	6	7	6	6	„	„
1951-52 . . .	13	8	4	8	Nil	Nil
52-53 . . .	Nil	Nil	Nil	Nil	„	„
53-54 . . .	„	„	„	„	„	„
54-55 . . .	„	„	„	„	„	„
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	85	61	33	59	0 004	0.2
57-58 . . .	3	1	1	2	Nil	Nil
58-59 . . .	30	8	2	13	0.001	„
59-60 . . .	17	7	3	9	0.001	„
60-61 . . .	25	13	14	17	0.001	„
11 Years' Average	17	10	6	11	0.001	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **JANUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 . . .	1	1	1	1	Nil	Nil
50-51 . . .	5	3	1	3	,,	,,
1951-52 . . .	2	1	1	1	Nil	Nil
52-53 . . .	(5)	(3)	(3)	(3)	(Nil)	(Nil)
53-54 . . .	Nil	Nil	Nil	Nil	Nil	Nil
54-55 . . .	(5)	(3)	(3)	(3)	(Nil)	(Nil)
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	17	12	10	13	0.001	Nil
57-58 . . .	1	1	2	1	Nil	,,
58-59 . . .	1	1	1	1	,,	,,
59-60 . . .	3	3	2	2	,,	,,
60-61 . . .	11	6	6	8	,,	,,
11 Years' Average	5	3	3	3	Nil	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1949-50 . . .	Nil	Nil	Nil	Nil	Nil	Nil
50-51 . . .	1	"	"	"	"	"
1951-52 . . .	1	Nil	Nil	Nil	Nil	Nil
52-53 . . .	(2)	(1)	(1)	(1)	(Nil)	(Nil)
53-54 . . .	Nil	Nil	Nil	Nil	Nil	Nil
54-55 . . .	(2)	(1)	(1)	(1)	(Nil)	(Nil)
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	7	5	4	6	Nil	Nil
57-58 . . .	1	1	1	1	"	"
58-59 . . .	1	1	1	1	"	"
59-60 . . .	2	1	Nil	1	"	"
60-61 . . .	4	3	2	3	"	"
11 Years' Average	2	1	1	1	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	Nil	Nil	Nil	Nil	Nil	Nil
50-51 . . .	"	"	"	"	"	"
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	(1)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54 . . .	Nil	Nil	Nil	Nil	Nil	Nil
54-55 . . .	(1)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	4	2	2	3	Nil	Nil
57-58 . . .	Nil	Nil	Nil	Nil	"	"
58-59 . . .	"	"	"	"	"	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	1	1	1	1	"	"
11 Years' Average	1	Nil	Nil	Nil	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	Nil	Nil	Nil	<i>Nil</i>	Nil	Nil
50-51 . . .	„	„	„	„	„	„
1951-52 . . .	Nil	Nil	Nil	<i>Nil</i>	Nil	Nil
52-53 . . .	5	„	1	2	„	„
53-54 . . .	Nil	„	Nil	<i>Nil</i>	„	„
54-55 . . .	(1)	(1)	(1)	(1)	(Nil)	(Nil)
55-56* . . .	N.A.	N.A.	N.A.			
1956-57 . . .	1	1	1	1	Nil	Nil
57-58 . . .	Nil	Nil	6	2	„	„
58-59 . . .	„	12	Nil	4	„	„
59-60 . . .	„	Nil	„	<i>Nil</i>	„	„
60-61 . . .	„	„	„	„	„	„
11 Years' Average	1	1	1	1	Nil	Nil

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 30

River **VEL (BHIMA)**

Site **SHIKRAPUR**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50 . . .	Nil	Nil	Nil	<i>Nil</i>	Nil	Nil
50-51 . . .	„	„	18	<i>6</i>	„	„
1951-52 . . .	Nil	Nil	3	<i>1</i>	Nil	Nil
52-53 . . .	„	„	3	<i>1</i>	„	„
53-54 . . .	„	„	Nil	<i>Nil</i>	„	„
54-55 . . .	(14)	(17)	(10)	(13)	(0.001)	(Nil)
55-56* . . .	41	19	328	136	0.008	0.4
1956-57 . . .	Nil	Nil	19	<i>7</i>	Nil	Nil
57-58 . . .	2	1	15	<i>6</i>	„	„
58-59 . . .	139	8	8	<i>50</i>	0.003	0.1
59-60 . . .	Nil	120	20	<i>46</i>	0.003	0.1
60-61 . . .	„	22	15	<i>13</i>	0.001	Nil
11 Years' Average	14	15	10	13	0.001	Nil

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 31

River **MULA-MUTHA (BHIMA)** *Site* **PIMPALGAON RAHU** *Month* **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	67	73	83	75	0.005	0.2
52-53 . . .	54	33	27	38	0.002	0.1
53-54 . . .	35	26	30	30	0.002	0.1
54-55 . . .	61	55	55	57	0.004	0.2
55-56 . . .	71	71	68	70	0.004	0.2
1956-57* . . .	N.A.	N.A.	N.A.			
57-58* . . .	54	76	52	60	0.004	0.2
58-59 . . .						
59-60 . . .						
60-61 . . .						
5 Years' Average	58	52	53	54	0.003	0.2

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>(Mean discharge (Cusecs))</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	76	63	43	62	0.004	0.2
52-53 . . .	23	10	15	16	0.001	Nil
53-54 . . .	25	30	30	28	0.002	0.1
54-55 . . .	49	39	32	40	0.002	0.1
55-56 . . .	71	62	52	62	0.004	0.2
1956-57* . . .	N.A.	N.A.	N.A.			
57-58* . . .	40	35	32	36	0.002	0.1
58-59 . . .						
59-60 . . .						
60-61 . . .						
5 Years' Average	49	41	34	42	0.003	0.1

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 31

River **MULA-MUTHA (BHIMA)** *Site* **PIMPALGAON RAHU** *Month* **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
1949-50* . . .	12	16	19	16	0.001	Nil
50-51* . . .	12	23	13	16	0.001	,,
1951-52 . . .	30	26	14	23	0.001	0.1
52-53 . . .	12	11	6	9	0.001	Nil
53-54 . . .	23	28	53	34	0.002	0.1
54-55 . . .	33	31	28	31	0.002	0.1
55-56 . . .	51	48	32	43	0.003	0.1
1956-57* . . .	N.A.	N.A.	N.A.			
57-58* . . .	29	27	26	27	0.002	0.1
58-59* . . .	43	42	33	39	0.002	0.1
59-60 . . .						
60-61 . . .						
5 Years' Average	30	29	27	28	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 31

River **MULA-MUTHA (BHIMA)** *Site* **PIMPALGAON RAHU** *Month* **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	17	14	8	13	0.001	Nil
50-51* . . .	16	8	6	10	0.001	„
1951-52 . . .	(10)	(10)	(10)	(10)	(0.001)	(Nil)
52-53 . . .	27	36	6	23	0.001	0.1
53-54 . . .	22	10	3	12	0.001	Nil
54-55 . . .	14	10	33	19	0.001	„
55-56 . . .	28	23	29	26	0.002	0.1
1956-57* . . .	28	23	28	26	0.002	0.1
57-58* . . .	N.A.	N.A.	N.A.			
58-59* . . .	25	28	36	30	0.002	0.1
59-60 . . .						
60-61 . . .						
5 Years' Average	20	18	16	18	0.001	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 31

River MULA-MUTHA (BHIMA) Site PIMPALGAON RAHU Month MAY

Year <i>(June to May)</i>	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50* . . .	24	11	25	20	0.001	0.1
50-51* . . .	4	2	3	3	Nil	Nil
1951-52 . . .	(10)	(10)	(10)	(10)	(0.001)	(Nil)
52-53 . . .	5	2	2	3	Nil	Nil
53-54 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
54-55 . . .	30	40	12	26	0.002	0.1
55-56 . . .	16	15	15	15	0.001	Nil
1956-57* . . .	16	15	14	15	0.001	Nil
57-58* . . .	N.A.	N.A.	N.A.			
58-59* . . .	60	35	55	50	0.003	0.1
59-60 . . .						
60-61 . . .						
5 Years' Average	12	13	8	11	0.001	Nil

(31.4)

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31				1,778	0.106	4.6
<i>1 Years' Average</i>				1,778	0.106	4.6
1931-32				Nil	Nil	Nil
32-33				247	0.015	0.6
33-34				2,048	0.122	5.3
34-35				1,508	0.090	3.9
35-36				288	0.017	0.7
1936-37				2,343	0.139	6.1
37-38				1,940	0.115	5.0
38-39				3,062	0.182	7.9
39-40				298	0.018	0.8
40-41				1,746	0.104	4.5
<i>10 Years' Average</i>				1,348	0.080	3.5
1941-42				1,414	0.084	3.7
42-43				866	0.052	2.2
43-44				1,547	0.092	4.0
44-45				502	0.030	1.3
45-46				1,259	0.075	3.3
1946-47				1,438	0.086	3.7
47-48				24	0.001	0.1
48-49				441	0.026	1.1
49-50				164	0.010	0.4
50-51				23	0.001	0.1
<i>10 Years' Average</i>				768	0.046	2.0
1951-52				842	0.050	2.2
52-53				916	0.055	2.4
53-54				2,261	0.135	5.9
54-55				686	0.041	1.8
55-56				1,070	0.064	2.8
1956-57				960	0.057	2.5
57-58				1,227	0.073	3.2
58-59				908	0.054	2.4
59-60				545	0.032	1.4
60-61				1,857	0.110	4.8
<i>10 Years' Average</i>				1,127	0.067	2.9
31 Years' Average				1,103	0.066	2.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31				6,724	0.413	18.0
<i>1 Years' Average</i>				6,724	0.413	18.0
1931-32				5,174	0.31	813.9
32-33				6,016	0.37	016.1
33-34				7,238	0.445	19.4
34-35				6,077	0.374	16.3
35-36				4,727	0.291	12.7
1936-37				4,170	0.256	11.2
37-38				7,855	0.483	21.0
38-39				5,325	0.327	14.3
39-40				4,934	0.303	13.2
40-41				5,920	0.364	15.9
<i>10 Years' Average</i>				5,744	0.353	15.4
1941-42				5,320	0.327	14.2
42-43				9,338	0.574	25.0
43-44				9,117	0.561	24.4
44-45				7,157	0.440	19.2
45-46				7,283	0.448	19.5
1946-47				7,376	0.454	19.8
47-48				4,461	0.274	11.9
48-49				3,342	0.205	9.0
49-50				4,251	0.261	11.4
50-51				7,407	0.455	19.8
<i>10 Years' Average</i>				6,505	0.400	17.4
1951-52				3,628	0.223	9.7
52-53				5,954	0.366	15.9
53-54				4,190	0.258	11.2
54-55				6,394	0.393	17.1
55-56				3,369	0.207	9.0
1956-57				8,391	0.516	22.5
57-58				5,050	0.311	13.5
58-59				8,463	0.520	22.7
59-60				8,702	0.535	23.3
60-61				5,696	0.350	15.3
<i>10 Years' Average</i>				5,984	0.368	16.0
31 Years' Average				6,098	0.375	16.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31 . . .				3,147	0.194	8.4
<i>1 Years' Average</i>				3,147	0.194	8.4
1931-32 . . .				7,577	0.466	20.3
32-33 . . .				4,038	0.248	10.8
33-34 . . .				9,155	0.563	24.5
34-35 . . .				5,997	0.369	16.1
35-36 . . .				2,609	0.160	7.0
1936-37 . . .				3,384	0.208	9.1
37-38 . . .				2,717	0.167	7.3
38-39 . . .				3,273	0.201	8.8
39-40 . . .				5,269	0.324	14.1
40-41 . . .				6,117	0.376	16.4
<i>10 Years' Average</i>				5,014	0.308	13.4
1941-42 . . .				2,888	0.178	7.7
42-43 . . .				4,940	0.304	13.2
43-44 . . .				3,414	0.210	9.1
44-45 . . .				6,640	0.408	17.8
45-46 . . .				4,774	0.294	12.8
1946-47 . . .				6,930	0.426	18.6
47-48 . . .				3,839	0.236	10.3
48-49 . . .				3,989	0.245	10.7
49-50 . . .				3,439	0.211	9.2
50-51 . . .				2,105	0.129	5.6
<i>10 Years' Average</i>				4,296	0.264	11.5
1951-52 . . .				4,064	0.250	10.9
52-53 . . .				3,932	0.242	10.5
53-54 . . .				5,413	0.333	14.5
54-55 . . .				4,086	0.251	10.9
55-56 . . .				5,298	0.326	14.2
1956-57 . . .				5,740	0.353	15.4
57-58 . . .				4,813	0.296	12.9
58-59 . . .				3,223	0.198	8.6
59-60 . . .				3,544	0.218	9.5
60-61 . . .				4,069	0.250	10.9
<i>10 Years' Average</i>				4,418	0.272	11.8
31 Years' Average				4,530	0.279	12.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31 . . .				2,121	0.126	5.5
1 Years' Average				2,121	0.126	5.5
1931-32 . . .				2,474	0.147	6.4
32-33 . . .				2,296	0.137	6.0
33-34 . . .				2,743	0.163	7.1
34-35 . . .				1,910	0.114	4.9
35-36 . . .				2,342	0.139	6.1
1936-37 . . .				2,289	0.136	5.9
37-38 . . .				1,997	0.119	5.2
38-39 . . .				1,216	0.072	3.2
39-40 . . .				2,102	0.125	5.4
40-41 . . .				1,552	0.092	4.0
10 Years' Average				2,092	0.124	5.4
1941-42 . . .				212	0.013	0.5
42-43 . . .				2,250	0.134	5.8
43-44 . . .				2,178	0.130	5.6
44-45 . . .				437	0.026	1.1
45-46 . . .				1,207	0.072	3.1
1946-47 . . .				1,377	0.082	3.6
47-48 . . .				3,202	0.191	8.3
48-49 . . .				990	0.059	2.6
49-50 . . .				1,861	0.111	4.8
50-51 . . .				1,839	0.109	4.8
10 Years' Average				1,555	0.093	4.0
1951-52 . . .				315	0.019	0.8
52-53 . . .				332	0.020	0.9
53-54 . . .				704	0.042	1.8
54-55 . . .				3,678	0.219	9.5
55-56 . . .				2,762	0.164	7.2
1956-57 . . .				1,350	0.080	3.5
57-58 . . .				648	0.039	1.7
58-59 . . .				2,088	0.124	5.4
59-60 . . .				3,253	0.194	8.4
60-61 . . .				726	0.043	1.9
10 Years' Average				1,586	0.094	4.1
31 Years' Average				1,756	0.105	4.5



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River MULA (BHIMA)

Site MULSHI DAM

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31 . . .				188	0.012	0.5
<i>1 Year's Average</i>				188	0.012	0.5
1931-32 . . .				2,437	0.150	6.5
32-33 . . .				501	0.031	1.3
33-34 . . .				386	0.024	1.0
34-35 . . .				153	0.009	0.4
35-36 . . .				90	0.006	0.2
1936-37 . . .				70	0.004	0.2
37-38 . . .				142	0.009	0.4
38-39 . . .				2,250	0.138	6.0
39-40 . . .				37	0.002	0.1
40-41 . . .				343	0.021	0.9
<i>10 Years' Average</i>				641	0.039	1.7
1941-42 . . .				82	0.005	0.2
42-43 . . .				Nil	Nil	Nil
43-44 . . .				668	0.041	1.8
44-45 . . .				265	0.016	0.7
45-46 . . .				117	0.007	0.3
1946-47 . . .				185	0.011	0.5
47-48 . . .				249	0.015	0.7
48-49 . . .				175	0.011	0.5
49-50 . . .				248	0.015	0.7
50-51 . . .				203	0.012	0.5
<i>10 Years' Average</i>				219	0.013	0.6
1951-52 . . .				229	0.014	0.6
52-53 . . .				116	0.007	0.3
53-54 . . .				137	0.008	0.4
54-55 . . .				316	0.019	0.8
55-56 . . .				659	0.041	1.8
1956-57 . . .				545	0.034	1.5
57-58 . . .				119	0.007	0.3
58-59 . . .				118	0.007	0.3
59-60 . . .				465	0.029	1.2
60-61 . . .				96	0.006	0.3
<i>10 Years' Average</i>				280	0.017	0.8
31 Years' Average				374	0.023	1.0



सत्यमेव जयते

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31 . . .				<i>Nil</i>	Nil	Nil
<i>1 Year's Average</i>				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1931-32 . . .				<i>138</i>	0.008	0.4
32-33 . . .				<i>Nil</i>	Nil	Nil
33-34 . . .				"	"	"
34-35 . . .				"	"	"
35-36 . . .				"	"	"
1936-37 . . .				<i>Nil</i>	Nil	Nil
37-38 . . .				"	"	"
38-39 . . .				"	"	"
39-40 . . .				"	"	"
40-41 . . .				"	"	"
<i>10 Years' Average</i>				<i>14</i>	<i>0.001</i>	<i>Nil</i>
1941-42 . . .				<i>Nil</i>	Nil	Nil
42-43 . . .				"	"	"
43-44 . . .				<i>39</i>	0.002	0.1
44-45 . . .				<i>74</i>	0.004	0.2
45-46 . . .				<i>Nil</i>	Nil	Nil
1946-47 . . .				<i>318</i>	0.019	0.8
47-48 . . .				<i>Nil</i>	Nil	Nil
48-49 . . .				<i>549</i>	0.033	1.4
49-50 . . .				<i>Nil</i>	Nil	Nil
50-51 . . .				"	"	"
<i>10 Years' Average</i>				<i>98</i>	<i>0.006</i>	<i>0.2</i>
1951-52 . . .				<i>4</i>	Nil	Nil
52-53 . . .				<i>Nil</i>	"	"
53-54 . . .				"	"	"
54-55 . . .				"	"	"
55-56 . . .				<i>55</i>	0.003	0.1
1956-57 . . .				<i>111</i>	0.007	0.3
57-58 . . .				<i>91</i>	0.005	0.2
58-59 . . .				<i>Nil</i>	Nil	Nil
59-60 . . .				"	"	"
60-61 . . .				"	"	"
<i>10 Years' Average</i>				<i>26</i>	<i>0.002</i>	<i>0.1</i>
31 Years' Average				44	0.003	0.1



MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **DECEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1930-31				<i>Nil</i>	Nil	Nil	
1 Year's Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	
1931-32				<i>Nil</i>	Nil	Nil	
32-33				"	"	"	
33-34				"	"	"	
34-35				"	"	"	
35-36				"	"	"	
1936-37				<i>Nil</i>	Nil	Nil	
37-38				"	"	"	
38-39				"	"	"	
39-40				"	"	"	
40-41				"	"	"	
10 Years' Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	
1941-42				<i>Nil</i>	Nil	Nil	
42-43				"	"	"	
43-44				"	"	"	
44-45				"	"	"	
45-46				"	"	"	
1946-47				<i>Nil</i>	Nil	Nil	
47-48				"	"	"	
48-49				"	"	"	
49-50				"	"	"	
50-51				"	"	"	
10 Years' Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	
1951-52				<i>Nil</i>	Nil	Nil	
52-53				"	"	"	
53-54				"	"	"	
54-55				"	"	"	
55-56				"	"	"	
1956-57				<i>Nil</i>	Nil	Nil	
57-58				39	0.002	0.1	
58-59				<i>Nil</i>	Nil	Nil	
59-60				"	"	"	
60-61				"	"	"	
10 Years' Average				4	<i>Nil</i>	<i>Nil</i>	
31 Years' Averages				1	Nil	Nil	

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River **MULA (BHIMA)**

Site **MULSHI DAM**

Month **JANUARY-APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-END</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31				<i>Nil</i>	Nil	Nil
<i>1 Year's Average</i>				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1931-32				<i>Nil</i>	Nil	Nil
32-33				"	"	"
33-34				"	"	"
34-35				"	"	"
35-36				"	"	"
1936-37				<i>Nil</i>	Nil	Nil
37-38				"	"	"
38-39				"	"	"
39-40				"	"	"
40-41				"	"	"
<i>10 Years' Average</i>				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1941-42				<i>Nil</i>	Nil	Nil
42-43				"	"	"
43-44				"	"	"
44-45				"	"	"
45-46				"	"	"
1946-47				<i>Nil</i>	Nil	Nil
47-48				"	"	"
48-49				"	"	"
49-50				"	"	"
50-51				"	"	"
<i>10 Years' Average</i>				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1951-52				<i>Nil</i>	Nil	Nil
52-53				"	"	"
53-54				"	"	"
54-55				"	"	"
55-56				"	"	"
1956-57				<i>Nil</i>	Nil	Nil
57-58				"	"	"
58-59				"	"	"
59-60				"	"	"
60-61				"	"	"
<i>10 Years' Average</i>				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
31 Years' Average				Nil	Nil	Nil



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 32

River MULA (BHIMA)

Site MULSHI DAM

Month MAY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1930-31 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1 Year's Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1931-32 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
32-33 . . .				"	"	"
33-34 . . .				"	"	"
34-35 . . .				"	"	"
35-36 . . .				"	"	"
1936-37 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
37-38 . . .				"	"	"
38-39 . . .				"	"	"
39-40 . . .				"	"	"
40-41 . . .				"	"	"
10 Years' Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1941-42 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
42-43 . . .				"	"	"
43-44 . . .				"	"	"
44-45 . . .				"	"	"
45-46 . . .				"	"	"
1946-47 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
47-48 . . .				"	"	"
48-49 . . .				"	"	"
49-50 . . .				"	"	"
50-51 . . .				"	"	"
10 Years' Average				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1951-52 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
52-53 . . .				"	"	"
53-54 . . .				"	"	"
54-55 . . .				"	"	"
55-56 . . .				50	0.003	0.1
1956-57 . . .				12	0.001	<i>Nil</i>
57-58 . . .				42	0.003	0.1
58-59 . . .				<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
59-60 . . .				"	"	"
60-61 . . .				44	0.003	0.1
10 Years' Average				15	0.001	<i>Nil</i>
31 Years' Average				5	<i>Nil</i>	<i>Nil</i>



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .	(Nil)	(Nil)	1,859	620	0.037	1.6
47-48 . . .	"	"	(Nil)	(Nil)	(Nil)	(Nil)
48-49 . . .	"	"	"	"	"	"
49-50 . . .	"	"	"	"	"	"
50-51 . . .	"	"	"	"	"	"
<i>5 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>372</i>	<i>124</i>	<i>0.007</i>	<i>0.3</i>
1951-52 . . .	(Nil)	138	2,012	717	0.043	1.9
52-53 . . .	"	1	2,288	763	0.045	2.0
53-54 . . .	"	69	7,452	2,507	0.149	6.5
54-55 . . .	"	184	847	344	0.020	0.9
55-56 . . .	"	46	2,967	1,004	0.060	2.6
1956-57 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
57-58 . . .	"	2	4,370	1,457	0.087	3.8
58-59 . . .	"	46	1,863	636	0.038	1.6
59-60 . . .	"	11	149	53	0.003	0.1
60-61 . . .	"	138	5,278	1,805	0.107	4.7
<i>10 Years' Average</i>	<i>Nil</i>	<i>64</i>	<i>2,723</i>	<i>929</i>	<i>0.055</i>	<i>2.4</i>
15 Years' Average	Nil	42	1,939	660	0.039	1.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .	11,477	3,956	24,997	13,848	0.851	37.1
47-48 . . .	(Nil)	11,649	3,300	4,929	0.303	13.2
48-49 . . .	„	1,702	5,842	2,622	0.161	7.0
49-50 . . .	„	7,360	2,116	3,125	0.192	8.4
50-51 . . .	943	18,020	14,685	11,328	0.697	30.3
<i>5 Years' Average</i>	<u>2,484</u>	<u>8,537</u>	<u>10,188</u>	<u>7,170</u>	<u>0.441</u>	<u>19.2</u>
1951-52 . . .	518	2,921	11,557	5,210	0.320	14.0
52-53 . . .	1,288	9,464	20,700	10,814	0.665	29.0
53-54 . . .	11,994	7,808	1,069	6,767	0.416	18.1
54-55 . . .	9,441	18,722	1,886	9,754	0.600	26.1
55-56 . . .	7,417	4,853	3,116	5,064	0.311	13.6
1956-57 . . .	18,285	15,387	8,165	13,759	0.846	36.9
57-58 . . .	4,577	13,708	3,116	7,004	0.431	18.8
58-59 . . .	14,687	24,934	8,322	17,347	1.067	46.5
59-60 . . .	15,214	14,260	18,354	16,020	0.985	42.9
60-61 . . .	15,628	1,621	10,131	9,159	0.563	24.5
<i>10 Years' Average</i>	<u>9,905</u>	<u>11,368</u>	<u>8,642</u>	<u>10,090</u>	<u>0.620</u>	<u>27.0</u>
15 Years' Average	7,431	10,424	9,157	9,117	0.560	24.4

**EAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M A. F.</i>	<i>T. M. C.</i>
1946-47 . . .	17,687	9,579	3,519	10,044	0.618	26.9
47-48 . . .	506	2,116	13,305	5,567	0.342	14.9
48-49 . . .	1,690	13,546	1,104	5,307	0.326	14.2
49-50 . . .	11,316	1,495	460	4,296	0.264	11.5
50-51 . . .	4,784	690	391	1,905	0.117	5.1
<i>5 Years' Average</i>	<i>7,197</i>	<i>5,485</i>	<i>3,756</i>	<i>5,424</i>	<i>0.334</i>	<i>14.5</i>
1951-52 . . .	17,434	4,600	1,380	7,597	0.467	20.3
52-53 . . .	11,523	4,715	1,782	5,870	0.361	15.7
53-54 . . .	14,513	12,063	1,955	9,260	0.569	24.8
54-55 . . .	15,433	3,059	1,656	6,553	0.403	17.6
55-56 . . .	6,033	6,647	8,510	7,110	0.437	19.0
1956-57 . . .	17,664	4,140	885	7,348	0.452	19.7
57-58 . . .	7,268	4,145	4,416	5,249	0.323	14.1
58-59 . . .	2,702	18,032	4,197	8,178	0.503	21.9
59-60 . . .	6,106	2,392	8,544	5,773	0.355	15.5
60-61 . . .	11,132	7,239	1,828	6,588	0.405	17.6
<i>10 Years' Average</i>	<i>10,981</i>	<i>6,703</i>	<i>3,515</i>	<i>6,953</i>	<i>0.428</i>	<i>18.6</i>
<i>15 Years' Average</i>	<i>9,719</i>	<i>6,297</i>	<i>3,595</i>	<i>6,443</i>	<i>0.396</i>	<i>17.3</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1946-47 . . .	2,231	563	368	1,054	0.063	2 7
47-48 . . .	5,865	506	5,704	4,025	0.240	10.4
48-49 . . .	552	518	402	490	0.029	1.3
49-50 . . .	218	288	2,783	1,096	0.065	2 8
50-51 . . .	1,253	1,219	621	1,031	0.061	2 7
<i>5 Years' Average</i>	<u>2,024</u>	<u>619</u>	<u>1,976</u>	<u>1,539</u>	<u>0.092</u>	<u>4.0</u>
1951-52 . . .	322	322	195	279	0.017	0 7
52-53 . . .	552	276	173	334	0.020	0.9
53-54 . . .	885	724	299	636	0.038	1.6
54-55 . . .	6,336	3,013	2,277	3,875	0.231	10.0
55-56 . . .	8,222	644	1,495	3,454	0.206	9.0
1956-57 . . .	678	494	1,322	831	0.049	2.2
57-58 . . .	713	172	Nil	295	0.018	0.8
58-59 . . .	2,656	2,502	540	1,899	0.113	4.9
59-60 . . .	12,385	1,736	552	4,891	0.291	12.7
60-61 . . .	747	609	1,863	1,073	0.064	2 8
<i>10 Years' Average</i>	<u>3,350</u>	<u>1,049</u>	<u>872</u>	<u>1,757</u>	<u>0.105</u>	<u>4.6</u>
15 Years' Average	2,908	906	1,240	1,684	0.100	4.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

<i>River</i>	MUTHA (BHIMA)	<i>Site</i>	KHADAKWASLA	<i>Month</i>	OCTOBER	
<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A. F.</i>	<i>T. M. C.</i>
1946-47 . . .	357	81	(Nil)	141	0.009	0.4
47-48 . . .	725	311	46	351	0.022	0.9
48-49 . . .	368	172	172	237	0.015	0.6
49-50 . . .	230	138	(Nil)	119	0.007	0.3
50-51 . . .	437	69	„	163	0.010	0.4
<i>5 Years' Average</i>	<u>423</u>	<u>154</u>	<u>44</u>	<u>202</u>	<u>0.013</u>	<u>0.5</u>
1951-52 . . .	345	460	356	387	0.024	1.0
52-53 . . .	161	23	(Nil)	59	0.004	0.2
53-54 . . .	345	80	„	137	0.008	0.4
54-55 . . .	943	241	103	418	0.026	1.1
55-56 . . .	1,150	1,150	989	1,093	0.067	2.9
1956-57 . . .	1,771	667	207	860	0.053	2.3
57-58 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59 . . .	253	„	„	82	0.005	0.2
59-60 . . .	333	276	„	196	0.012	0.5
60-61 . . .	322	80	„	130	0.008	0.3
<i>10 Years' Average</i>	<u>562</u>	<u>298</u>	<u>166</u>	<u>336</u>	<u>0.021</u>	<u>0.9</u>
15 Years' Average	516	250	125	292	0.018	0.8

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 33

River MUTHA (BHIMA)		Site KHADAKWASLA			Month NOVEMBER	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48 . . .	"	"	"	"	"	"
48-49 . . .	69	35	2,300	801	0.048	2.1
49-50 . . .	Nil	Nil	Nil	Nil	Nil	Nil
50-51 . . .	"	"	"	"	"	"
5 Years' Average	14	7	460	160	0.010	0.4
1951-52 . . .	69	23	(Nil)	31	0.002	0.1
52-53 . . .	Nil	Nil	Nil	Nil	Nil	Nil
53-54 . . .	"	"	"	"	"	"
54-55 . . .	"	"	"	"	"	"
55-56 . . .	"	"	"	"	"	"
1956-57 . . .	322	115	115	184	0.011	0.5
57-58 . . .	Nil	Nil	Nil	Nil	Nil	Nil
58-59 . . .	"	"	"	"	"	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
10 Years' Average	39	14	12	22	0.001	0.1
15 Years' Average	31	12	161	68	0.004	0.2

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 33

River MUTHA (BHIMA)		Site KHADAKWASLA			Month DECEMBER	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1946-47 . . .	104	94	44	79	0.005	0.2
47-48 . . .	18	6	18	14	0.001	Nil
48-49 . . .	Nil	50	84	46	0.003	0.1
49-50 . . .	23	16	20	20	0.001	0.1
50-51 . . .	51	40	33	41	0.003	0.1
5 Years' Average	39	41	40	40	0.003	0.1
1951-52 . . .	34	20	8	21	0.001	0.1
52-53 . . .	25	36	30	30	0.002	0.1
53-54 . . .	21	21	16	29	0.002	0.1
54-55 . . .	3	26	17	19	0.001	0.1
55-56 . . .	36	29	29	31	0.002	0.1
1956-57 . . .	6	24	30	20	0.001	0.1
57-58 . . .	16	19	27	21	0.001	0.1
58-59 . . .	17	8	1	9	0.001	Nil
59-60 . . .	32	22	8	21	0.001	0.1
60-61 . . .	5	13	8	9	0.001	Nil
10 Years' Average	20	22	17	21	0.001	0.1
15 Years' Average	27	28	25	27	0.002	0.1

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **JANUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1945-46* . . .	5	5	3	4	Nil	Nil
1946-47 . . .	66	5	85	53	0.003	0.1
47-48 . . .	7	13	18	36	0.002	0.1
48-49 . . .	28	38	25	30	0.002	0.1
49-50 . . .	13	24	26	21	0.001	0.1
50-51 . . .	35	22	33	30	0.002	0.1
5 Years' Average	30	20	37	34	0.002	0.1
1951-52 . . .	2	9	8	6	Nil	Nil
52-53 . . .	22	12	12	15	0.001	„
53-54 . . .	25	24	18	22	0.001	0.1
54-55 . . .	20	25	26	24	0.001	0.1
55-56 . . .	24	18	14	19	0.001	0.1
1956-57 . . .	20	4	19	14	0.001	Nil
57-58 . . .	8	13	10	10	0.001	„
58-59 . . .	Nil	Nil	2	1	Nil	„
59-60 . . .	13	10	2	8	„	„
60-61 . . .	10	7	3	7	„	„
10 Years' Average	14	12	11	13	0.001	Nil
15 Years' Average	20	15	20	20	0.001	0.1

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1945-46* . . .	7	14	10	10	0.001	Nil
1946-47 . . .	Nil	5	25	10	0.001	Nil
47-48 . . .	5	16	9	10	0.001	„
48-49 . . .	14	38	6	19	0.001	„
49-50 . . .	17	21	14	17	0.001	„
50-51 . . .	27	16	33	25	0.001	0.1
5 Years' Average	13	19	17	16	0.001	Nil
1951-52 . . .	25	9	5	13	0.001	Nil
52-53 . . .	3	16	17	12	0.001	„
53-54 . . .	22	17	6	15	0.001	„
54-55 . . .	13	9	3	8	Nil	„
55-56 . . .	26	4	7	12	0.001	„
1956-57 . . .	Nil	5	3	3	Nil	Nil
57-58 . . .	„	2	Nil	1	„	„
58-59 . . .	2	3	14	6	„	„
59-60 . . .	Nil	3	Nil	1	„	„
60-61 . . .	„	Nil	„	Nil	„	„
10 Years' Average	9	7	6	7	Nil	Nil
15 Years' Average	10	11	9	10	0.001	Nil

* Not considered for calculating the average.

(33.9)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

<i>River</i> MUTHA (BHIMA)	<i>Site</i> KHADAKWASLA				<i>Month</i> MARCH	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1945-46* . . .	8	7	5	7	Nil	Nil
1946-47 . . .	2	3	9	5	Nil	Nil
47-48 . . .	14	6	6	9	0.001	„
48-49 . . .	12	13	7	10	0.001	„
49-50 . . .	9	9	23	10	0.001	„
50-51 . . .	15	17	21	18	0.001	„
<i>5 Years' Average</i>	<i>10</i>	<i>10</i>	<i>13</i>	<i>10</i>	<i>0.001</i>	<i>Nil</i>
1951-52 . . .	8	10	3	7	Nil	Nil
52-53 . . .	10	9	8	9	0.001	„
53-54 . . .	2	14	15	10	0.001	„
54-55 . . .	11	18	17	15	0.001	„
55-56 . . .	5	8	22	12	0.001	„
1956-57 . . .	3	38	6	16	0.001	Nil
57-58 . . .	3	3	7	4	Nil	„
58-59 . . .	6	Nil	4	3	„	„
59-60 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
60-61 . . .	„	„	„	„	„	„
<i>10 Years' Average</i>	<i>5</i>	<i>10</i>	<i>8</i>	<i>8</i>	<i>Nil</i>	<i>Nil</i>
15 Years' Average	7	10	10	9	0.001	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1945-46* . . .	6	5	6	6	Nil	Nil
1946-47 . . .	25	17	Nil	14	0.001	Nil
47-48 . . .	2	16	8	9	0.001	„
48-49 . . .	13	3	3	6	Nil	„
49-50 . . .	5	Nil	10	5	„	„
50-51 . . .	3	17	20	13	0.001	„
<i>5 Years' Average</i>	<i>10</i>	<i>11</i>	<i>8</i>	<i>9</i>	<i>0.001</i>	<i>Nil</i>
1951-52 . . .	2	8	2	10	0.001	Nil
52-53 . . .	9	13	16	13	0.001	„
53-54 . . .	12	8	14	11	0.001	„
54-55 . . .	35	27	20	27	0.002	0.1
55-56 . . .	25	21	21	22	0.001	0.1
1956-57 . . .	15	9	36	20	0.001	0.1
57-58 . . .	3	5	45	18	0.001	Nil
58-59 . . .	2	1	Nil	1	Nil	„
59-60 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
60-61 . . .	„	„	„	„	„	„
<i>10 Years' Average</i>	<i>12</i>	<i>9</i>	<i>15</i>	<i>12</i>	<i>0.001</i>	<i>Nil</i>
15 Years' Average.	11	10	13	11	0.001	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 33

River **MUTHA (BHIMA)**

Site **KHADAKWASLA**

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1945-46 . . .	16	3	5	8	Nil	Nil
1946-47 . . .	5	1	5	4	Nil	Nil
47-48 . . .	9	5	14	9	0.001	„
48-49 . . .	6	Nil	30	12	0.001	„
49-50 . . .	9	6	50	22	0.001	0.1
50-51 . . .	15	6	26	16	0.001	Nil
5 Years' Average	9	4	25	13	0.001	Nil
1951-52 . . .	2	5	17	8	Nil	Nil
52-53 . . .	3	16	4	8	„	„
53-54 . . .	9	8	5	7	„	„
54-55 . . .	13	27	17	19	0.001	0.1
55-56 . . .	18	15	7	13	0.001	Nil
1956-57 . . .	40	22	10	24	0.001	0.1
57-58 . . .	3	Nil	2	2	Nil	Nil
58-59 . . .	4	1	3	3	„	„
59-60 . . .	1	Nil	Nil	Nil	„	„
60-61 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
10 Years' Average	9	9	6	8	Nil	Nil
15 Years' Average	9	7	13	10	Nil	Nil

* Not considered for calculating the average.

(33.12)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

River **GHOD (BHIMA)**

Site **NIRGUDSAR**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .	Nil	116	676	264	0.016	0.7
07-08 . . .	10	66	213	96	0.006	0.2
08-09 . . .	(2)	(142)	(868)	(338)	(0.020)	(0.9)
09-10 . . .	Nil	388	1,531	640	0.038	1.7
10-11 . . .	„	Nil	1,052	351	0.021	0.9
<i>5 Years' Average</i>	<i>2</i>	<i>142</i>	<i>868</i>	<i>338</i>	<i>0.020</i>	<i>0.9</i>
1911-12 . . .	Nil	433	291	241	0.014	0.6
12-13 . . .	553	1,370	2,904	1,685	0.100	4.4
13-14 . . .	868	735	8,407	3,716	0.221	9.6
14-15 . . .	16	75	3,148	1,346	0.080	3.5
15-16 . . .	Nil	Nil	4,019	1,340	0.080	3.5
1916-17 . . .	130	150	423	234	0.014	0.6
17-18 . . .	126	116	730	324	0.019	0.8
18-19 . . .	19	9	29	19	0.001	Nil
19-20 . . .	106	482	110	233	0.014	0.6
20-21 . . .	Nil	85	376	154	0.009	0.4
<i>10 Years' Average</i>	<i>182</i>	<i>346</i>	<i>2,044</i>	<i>929</i>	<i>0.055</i>	<i>2.4</i>
1921-22 . . .	Nil	22	54	25	0.001	0.1
22-23 . . .	„	29	772	267	0.016	0.7
23-24 . . .	„	Nil	Nil	Nil	Nil	Nil
24-25 . . .	„	„	52	17	0.001	„
25-26 . . .	345	83	618	349	0.021	0.9
1926-27 . . .	4	5	31	13	0.001	Nil
<i>6 Years' Average</i>	<i>58</i>	<i>23</i>	<i>255</i>	<i>112</i>	<i>0.007</i>	<i>0.3</i>
21 Years' Average	104	205	1,253	555	0.033	1.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

River **GHOD (BHIMA)**

Site **NIRGUDSAR**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .	1,632	1,292	5,742	2,981	0.183	8.0
07-08 . . .	92	172	14,071	5,078	0.312	13.6
08-09 . . .	3,404	5,735	5,192	4,886	0.300	13.1
09-10 . . .	3,853	9,308	7,551	6,925	0.426	18.5
10-11 . . .	5,491	2,372	1,738	3,153	0.194	8.4
<i>5 Years' Average</i>	<i>2,894</i>	<i>3,776</i>	<i>6,859</i>	<i>4,605</i>	<i>0.283</i>	<i>12.3</i>
1911-12 . . .	423	1,663	498	850	0.052	2.3
12-13 . . .	2,212	3,364	12,661	6,291	0.387	16.8
13-14 . . .	4,652	7,000	8,434	6,751	0.415	18.1
14-15 . . .	4,763	7,079	13 003	8,434	0.519	22.6
15-16 . . .	1,032	549	6,808	2,926	0.180	7.8
1916-17 . . .	222	402	1,989	907	0.056	2.4
17-18 . . .	1,113	1,262	2,556	1,673	0.103	4.5
18-19 . . .	386	27	269	229	0.014	0.6
19-20 . . .	2,268	882	6,210	3,220	0.198	8.6
20-21 . . .	2,359	4,967	3,526	3,614	0.222	9.7
<i>10 Years' Average</i>	<i>1,943</i>	<i>2,720</i>	<i>5,595</i>	<i>3,490</i>	<i>0.215</i>	<i>9.3</i>
1921-22 . . .	56	135	11,648	4,195	0.258	11.2
22-23 . . .	2,766	1,428	5,496	3,174	0.195	8.5
23-24 . . .	100	1,650	4,453	2,144	0.132	5.7
24-25 . . .	415	1,322	3,725	1,998	0.123	5.4
25-26 . . .	998	6,271	2,732	3,314	0.204	8.9
1926-27 . . .	1,853	1,272	2,561	1,917	0.118	5.1
<i>6 Years' Average</i>	<i>1,031</i>	<i>2,013</i>	<i>5,103</i>	<i>2,790</i>	<i>0.172</i>	<i>7.5</i>
21 Years' Average	1,909	2,769	5,755	3,555	0.213	9.5

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 34

River **GHOD (BHIMA)**

Site **NIRGUDSAR**

Month **AUGUST**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1906-07 . . .	1,795	1,079	2,995	1,990	0.122	5.3
07-08 . . .	7,327	12,267	3,578	7,591	0.467	20.3
08-09 . . .	9,668	7,787	6,788	8,039	0.494	21.5
09-10 . . .	6,379	3,872	1,661	3,896	0.240	10.4
10-11 . . .	8,941	10,050	6,350	8,379	0.515	22.4
5 Years' Average	6,822	7,011	4,274	5,979	0.368	16.0
1911-12 . . .	5,914	4,216	3,007	4,335	0.267	11.6
12-13 . . .	15,056	4,024	3,899	7,538	0.463	20.2
13-14 . . .	7,626	4,699	6,041	6,110	0.376	16.4
14-15 . . .	9,863	2,659	2,184	4,815	0.296	12.9
15-16 . . .	7,777	1,171	1,452	3,401	0.209	9.1
1916-17 . . .	4,237	5,977	4,977	5,061	0.311	13.6
17-18 . . .	1,715	1,977	3,700	2,504	0.154	6.7
18-19 . . .	1,862	1,763	2,134	1,927	0.118	5.2
19-20 . . .	4,621	1,642	4,793	3,721	0.229	10.0
20-21 . . .	4,623	940	343	1,916	0.118	5.1
10 Years' Average	6,329	2,907	3,253	4,133	0.254	11.1
1921-22 . . .	3,272	3,943	666	2,564	0.158	6.9
22-23 . . .	2,534	1,686	2,302	2,178	0.134	5.8
23-24 . . .	4,507	4,446	1,468	3,409	0.210	9.1
24-25 . . .	3,880	802	17,104	7,580	0.466	20.3
25-26 . . .	1,660	1,370	1,681	1,574	0.097	4.2
26-27 . . .	4,798	6,638	2,742	4,662	0.287	12.5
6 Years' Average	3,442	3,148	4,327	3,661	0.225	9.8
21 Years' Average	5,622	3,963	3,803	4,438	0.273	11.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

River GHOD (BHIMA)

Site NIRGUDSAR

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .	2,235	1,531	1,591	1,785	0.106	4.6
07-08 . . .	1,216	466	287	656	0.039	1.7
08-09 . . .	2,604	2,527	2,938	2,690	0.160	7.0
09-10 . . .	2,927	2,694	1,091	2,238	0.133	5.8
10-11 : . .	4,848	3,319	3,321	3,829	0.228	9.9
<i>5 Years' Average</i>	<i>2,766</i>	<i>2,107</i>	<i>1,846</i>	<i>2,240</i>	<i>0.133</i>	<i>5.8</i>
1911-12 . . .	2,344	666	366	1,126	0.067	2.9
12-13 . . .	3,621	4,155	2,469	3,415	0.203	8.9
13-14 : . .	6,837	2,873	2,074	3,928	0.234	10.2
14-15 . . .	634	5,451	1,647	2,578	0.153	6.7
15-16 . . .	1,962	1,091	1,860	1,637	0.097	4.2
1916-17 . . .	4,369	2,525	2,814	3,236	0.193	8.4
17-18 . . .	2,032	616	982	1,210	0.072	3.1
18-19 . . .	571	105	105	260	0.015	0.7
19-20 . . .	1,960	288	1,379	1,209	0.072	3.1
20-21 . . .	269	617	344	410	0.024	1.1
<i>10 Years' Average</i>	<i>2,460</i>	<i>1,839</i>	<i>1,404</i>	<i>1,901</i>	<i>0.113</i>	<i>4.9</i>
1921-22 . . .	995	2,832	1,042	1,623	0.097	4.2
22-23 . . .	1,398	1,017	985	1,134	0.067	2.9
23-24 . . .	650	1,445	1,827	1,307	0.078	3.4
24-25 . . .	2,252	1,406	3,190	2,283	0.136	5.9
25-26 . . .	312	175	186	224	0.013	0.6
1926-27 . . .	2,164	1,010	1,934	1,702	0.101	4.4
<i>6 Years' Average</i>	<i>1,295</i>	<i>1,314</i>	<i>1,527</i>	<i>1,379</i>	<i>0.082</i>	<i>3.6</i>
21 Years' Aaverage	2,200	1,753	1,544	1,832	0.109	4.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

River **GHOD (BHIMA)**

Site **NIRGUDSAR**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1906-07 . . .	200	83	32	103	0.006	0.3
07-08 . . .	144	49	31	73	0.004	0.2
08-09 . . .	991	378	698	689	0.042	1.8
09-10 . . .	2,868	1,711	534	1,667	0.102	4.5
10-11 . . .	8,661	1,558	1,524	3,837	0.236	10.3
<i>5 Years' Average</i>	<i>2,573</i>	<i>756</i>	<i>564</i>	<i>1,274</i>	<i>0.078</i>	<i>3.4</i>
1911-12 . . .	219	141	98	151	0.009	0.4
12-13 . . .	2,300	1,943	1,565	1,924	0.118	5.2
13-14 . . .	1,642	1,604	1,138	1,451	0.089	3.9
14-15 . . .	547	300	128	319	0.020	0.9
15-16 . . .	1,342	470	306	693	0.043	1.9
1916-17 . . .	902	412	9,815	3,907	0.240	10.5
17-18 . . .	1,875	444	183	813	0.050	2.2
18-19 . . .	34	28	20	27	0.002	0.1
19-20 . . .	889	138	66	355	0.022	1.0
20-21 . . .	58	30	25	37	0.002	0.1
<i>10 Years' Average</i>	<i>981</i>	<i>551</i>	<i>1,334</i>	<i>968</i>	<i>0.060</i>	<i>2.6</i>
1921-22 . . .	314	67	45	139	0.009	0.4
22-23 . . .	88	45	31	54	0.003	0.1
23-24 . . .	156	50	30	77	0.005	0.2
24-25 . . .	585	142	98	269	0.017	0.7
25-26 . . .	111	23	18	50	0.003	0.1
26-27 . . .	414	97	45	181	0.011	0.5
<i>6 Years' Average</i>	<i>278</i>	<i>71</i>	<i>45</i>	<i>128</i>	<i>0.008</i>	<i>0.3</i>
21 Years' Average	1,159	463	782	801	0.049	2.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

River **GHOD (BHIMA)**

Site **NIRGUDSAR**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07	30	17	8	18	0.001	Nil
07-08	22	20	18	20	0.001	0.1
08-09	24	50	38	38	0.002	0.1
09-10	124	43	31	66	0.004	0.2
10-11	448	168	65	227	0.014	0.6
<i>5 Years' Average</i>	<i>130</i>	<i>60</i>	<i>32</i>	<i>74</i>	<i>0.004</i>	<i>0.2</i>
1911-12	83	63	118	88	0.005	0.2
12-13	1,518	1,103	882	1,168	0.070	3.0
13-14	839	372	50	420	0.025	1.1
14-15	77	66	42	62	0.004	0.2
15-16	201	87	54	114	0.007	0.3
1916-17	1,448	375	296	706	0.042	1.8
17-18	47	18	83	50	0.003	0.1
18-19	16	14	13	14	0.001	Nil
19-20	116	55	45	72	0.004	0.2
20-21	18	12	6	12	0.001	Nil
<i>10 Years' Average</i>	<i>436</i>	<i>216</i>	<i>159</i>	<i>271</i>	<i>0.016</i>	<i>0.7</i>
1921-22	21	12	9	14	0.001	Nil
22-23	497	186	30	238	0.014	0.6
23-24	18	17	11	15	0.001	Nil
24-25	68	44	20	47	0.003	0.1
25-26	13	27	17	19	0.001	Nil
1926-27	43	24	14	27	0.002	0.1
<i>6 Years' Average</i>	<i>110</i>	<i>52</i>	<i>18</i>	<i>60</i>	<i>0.004</i>	<i>0.2</i>
21 Years' Average	270	132	88	164	0.010	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 34

<i>River</i> GHOD (BHIMA)	<i>Site</i> NIRGUDSAR				<i>Month</i> DECEMBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1906-07 . . .	7	4	2	4	Nil	Nil
07-08 . . .	16	14	12	14	0.001	„
08-09 . . .	20	15	11	15	0.001	„
09-10 . . .	21	16	12	16	0.001	„
10-11 . . .	49	41	32	40	0.002	0.1
<i>5 Years' Average</i>	23	18	14	18	0.001	Nil
1911-12 . . .	115	15	11	46	0.003	0.1
12-13 . . .	19	13	9	14	0.001	Nil
13-14 . . .	41	36	26	34	0.002	0.1
14-15 . . .	31	26	22	26	0.002	0.1
15-16 . . .	41	32	26	33	0.002	0.1
1916-17 . . .	130	30	23	60	0.004	0.2
17-18 . . .	10	26	21	19	0.001	0.1
18-19 . . .	15	10	9	11	0.001	Nil
19-20 . . .	25	21	17	21	0.001	0.1
20-21 . . .	3	2	2	2	Nil	Nil
<i>10 Years' Average</i>	43	21	17	27	0.002	0.1
1921-22 . . .	6	5	3	5	Nil	Nil
22-23 . . .	13	6	4	8	„	„
23-24 . . .	8	6	4	6	„	„
24-25 . . .	21	15	12	16	0.001	„
25-26 . . .	11	8	5	8	Nil	„
1926-27 . . .	10	6	4	7	Nil	Nil
<i>6 Years' Average</i>	12	8	5	8	Nil	Nil
<i>21 Years' Average</i>	29	17	13	19	0.001	Nil

MINA (GHOD)

AT

WADGAON

सत्यमेव जयते

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1904-05 . . .	Nil	52	325	222	0.013	0.6
05-06 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1906-07 . . .	(Nil)	191	225	139	0.008	0.4
07-08 . . .	„	(Nil)	2	1	Nil	Nil
08-09 . . .	„	„	(Nil)	(Nil)	(Nil)	(Nil)
09-10 . . .	Nil	3	111	38	0.002	0.1
10-11 . . .	„	61	57	40	0.002	0.1
1911-12 . . .	2	35	9	15	0.001	Nil
12-13 . . .	6	8	27	15	0.001	„
13-14 . . .						
9 Years' Average	<u>1</u>	<u>39</u>	<u>84</u>	<u>52</u>	<u>0.003</u>	<u>0.1</u>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	109	83	165	119	0.007	0.3
18-19 . . .	17	14	20	17	0.001	Nil
19-20 . . .	56	57	6	40	0.002	0.1
20-21 . . .	Nil	71	135	69	0.004	0.2
1921-22 . . .	Nil	Nil	1	Nil	Nil	Nil
22-23 . . .	„	5	29	11	0.001	„
23-24 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
24-25 . . .	1	12	17	10	0.001	Nil
8 Years' Average	<u>23</u>	<u>30</u>	<u>47</u>	<u>33</u>	<u>0.002</u>	<u>0.1</u>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	8	4	26	13	0.001	Nil
48-49 . . .	2	54	44	33	0.002	0.1
49-50 . . .	5	3	4	4	Nil	Nil
50-51 . . .	2	2	2	2		„
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	8	4	54	22	0.001	0.1
53-54 . . .	1	4	325	103	0.006	0.3
54-55 . . .	9	2	20	10	0.001	Nil
55-56 . . .	3	2	26	10	0.001	„
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	3	2	526	177	0.011	0.5
58-59 . . .	2	26	15	14	0.001	Nil
59-60 . . .	37	2	24	21	0.001	0.1
60-61 . . .	4	3	13	7	Nil	Nil
<i>12 Years' Average</i>	<i>7</i>	<i>9</i>	<i>90</i>	<i>35</i>	<i>0.002</i>	<i>0.1</i>
29 Years' Average	9	24	76	40	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	1,265	272	341	617	0 038	1 7
05-06 . . .	1,495	405	1,192	968	0 060	2 6
1906-07 . . .	362	437	1,167	672	0 041	1 3
07-08 . . .	3	14	6,431	2,287	0.141	6.1
08-09 . . .	89	322	629	366	0.023	1.0
09-10 . . .	541	1,753	1,022	1,103	0.068	3.0
10-11 . . .	576	36	17	203	0.012	0.5
1911-12 . . .	53	246	86	127	0.008	0.3
12-13 . . .	24	185	8,418	3,054	0.188	8.2
13-14 . . .						
<i>9 Years' Average</i>	<i>490</i>	<i>408</i>	<i>2,145</i>	<i>1,044</i>	<i>0.064</i>	<i>2.8</i>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	200	359	561	379	0.023	1.0
18-19 . . .	30	25	28	28	0.002	0.1
19-20 . . .	359	116	1,106	546	0.034	1.5
20-21 . . .	427	716	610	585	0.036	1.6
1921-22 . . .	13	28	2,718	977	0.060	2.6
22-23 . . .	1,093	183	1,716	1,020	0.063	2.7
23-24 . . .	Nil	788	1,645	838	0.052	2.2
24-25 . . .	28	96	730	299	0.018	0.8
<i>8 Years' Average</i>	<i>269</i>	<i>289</i>	<i>1,139</i>	<i>584</i>	<i>0.036</i>	<i>1.6</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	199	1,397	349	639	0.039	1.7
48-49 . . .	133	164	211	171	0.011	0.5
49-50 . . .	21	179	140	114	0.007	0.3
50-51 . . .	12	1,005	1,983	1,032	0.063	2.8
1951-52* . . .	8	245	777	357	0.022	1.0
52-53 . . .	75	298	2,315	942	0.058	2.5
53-54 . . .	379	97	52	172	0.011	0.5
54-55 . . .	353	1,547	135	661	0.041	1.8
55-56 . . .	113	65	134	105	0.006	0.3
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	754	1,369	633	909	0.056	2.4
58-59 . . .	1,117	4,051	927	1,996	0.123	5.3
59-60 . . .	579	681	2,605	1,331	0.082	3.6
60-61 . . .	666	83	460	405	0.025	1.1
<i>12 Years' Average</i>	<i>367</i>	<i>911</i>	<i>824</i>	<i>706</i>	<i>0.044</i>	<i>1.9</i>
<i>29 Years' Average</i>	<i>378</i>	<i>583</i>	<i>1,323</i>	<i>777</i>	<i>0.048</i>	<i>2.1</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

<i>River</i> MINA (GHOD)	<i>Site</i> WADGAON				<i>Month</i> AUGUST	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	682	235	123	339	0.021	0.9
05-06 . . .	421	313	612	454	0.028	1.2
1906-07 . . .	475	279	962	585	0.036	1.6
07-08 . . .	1,385	3,319	655	1,750	0.108	4.7
08-09 . . .	1,258	589	569	798	0.049	2.1
09-10 . . .	1,100	93	110	424	0.026	1.1
10-11 . . .	1,354	716	759	937	0.058	2.5
1911-12 . . .	2,607	845	767	1,386	0.085	3.7
12-13 . . .	2,297	841	224	1,092	0.067	2.9
13-14 . . .						
<i>9 Years' Average</i>	<i>1,287</i>	<i>803</i>	<i>531</i>	<i>863</i>	<i>0.053</i>	<i>2.3</i>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	475	600	1,607	917	0.056	2.5
18-19 . . .	455	545	512	504	0.031	1.3
19-20 . . .	1,403	181	1,318	979	0.060	2.6
20-21 . . .	759	168	28	309	0.019	0.8
1921-22 . . .	816	1,104	226	700	0.043	1.9
22-23 . . .	550	453	290	426	0.026	1.1
23-24 . . .	1,761	1,286	573	1,186	0.073	3.2
24-25 . . .	514	79	4,214	1,687	0.104	4.5
<i>8 Years' Average</i>	<i>842</i>	<i>552</i>	<i>1,096</i>	<i>838</i>	<i>0.052</i>	<i>2.2</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	293	227	316	280	0.017	0.7
48-49 . . .	138	437	103	222	0.014	0.6
49-50 . . .	371	90	77	176	0.011	0.5
50-51 . . .	351	146	72	186	0.011	0.5
1951-52* . . .	N.A.	1,048	460			
52-53 . . .	2,385	443	280	1,012	0.062	2.7
53-54 . . .	747	1,794	262	913	0.056	2.4
54-55 . . .	718	248	88	342	0.021	0.9
55-56 . . .	702	865	1,133	908	0.056	2.4
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	1,151	1,432	1,042	1,203	0.074	3.2
58-59 . . .	833	849	1,166	956	0.059	2.6
59-60 . . .	884	313	1,762	1,011	0.062	2.7
60-61 . . .	760	526	417	563	0.035	1.5
<i>13 Years' Average</i>	<i>778</i>	<i>614</i>	<i>560</i>	<i>648</i>	<i>0.040</i>	<i>1.7</i>
29 Years' Average	953	656	699	767	0.047	2.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1904-05 . . .	130	1,597	114	614	0.037	1.6
05-06 . . .	248	203	124	192	0.011	0.5
1906-07 . . .	683	463	341	496	0.030	1.3
07-08 . . .	114	37	25	58	0.003	0.2
08-09 . . .	158	62	108	109	0.006	0.3
09-10 . . .	80	34	136	50	0.003	0.1
10-11 . . .	360	99	120	193	0.011	0.5
1911-12 . . .	800	80	35	305	0.018	0.8
12-13 . . .	224	50	31	102	0.006	0.3
13-14 . . .						
<i>9 Years' Average</i>	<u>311</u>	<u>292</u>	<u>115</u>	<u>235</u>	<u>0.014</u>	<u>0.6</u>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	573	228	751	518	0.031	1.3
18-19 . . .	107	29	17	51	0.003	0.1
19-20 . . .	345	23	633	333	0.020	0.9
20-21 . . .	32	151	312	165	0.010	0.4
1921-22 . . .	226	1,641	441	769	0.046	2.0
22-23 . . .	287	306	232	275	0.016	0.7
23-24 . . .	320	950	970	747	0.044	1.9
24-25 . . .	606	368	1,163	712	0.042	1.8
<i>8 Years' Average</i>	<u>312</u>	<u>462</u>	<u>565</u>	<u>446</u>	<u>0.026</u>	<u>1.1</u>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47						
47-48	238	454	1,150	614	0.037	1.6
48-49	122	34	116	91	0.005	0.2
49-50	270	258	746	425	0.025	1.1
50-51	622	181	103	302	0.018	0.8
1951-52*	N.A.	N.A.	N.A.			
52-53	75	42	32	50	0.003	0.1
53-54	263	54	44	120	0.007	0.3
54-55	1,634	548	484	889	0.053	2.3
55-56	1,469	109	377	652	0.039	1.7
1956-57*	N.A.	N.A.	N.A.			
57-58	292	1,076	152	507	0.030	1.3
58-59	1,182	946	339	822	0.049	2.1
59-60	1,318	381	161	620	0.037	1.6
60-61	126	85	224	155	0.009	0.4
<i>12 Years' Average</i>	<i>634</i>	<i>347</i>	<i>327</i>	<i>437</i>	<i>0.026</i>	<i>1.1</i>
29 Years' Average	445	362	327	377	0.022	1.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	32	204	13	81	0.005	0.2
05-06 . . .	50	19	52	41	0.003	0.1
1906-07 . . .	114	32	3	48	0.003	0.1
07-08 . . .	18	15	11	14	0.001	Nil
08-09 . . .	23	12	29	22	0.001	0.1
09-10 . . .	54	12	11	30	0.002	0.1
10-11 . . .	1,987	91	44	686	0.042	1.8
1911-12 . . .	28	17	12	18	0.001	Nil
12-13 . . .	496	208	40	241	0.015	0.6
13-14 . . .						
<i>9 Years' Average</i>	<u>311</u>	<u>68</u>	<u>24</u>	<u>131</u>	<u>0.008</u>	<u>0.3</u>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	333	91	249	225	0.014	0.6
18-19 . . .	7	3	3	4	Nil	Nil
19-20 . . .	201	11	21	76	0.005	0.2
20-21 . . .	25	49	40	38	0.002	0.1
1921-22 . . .	115	40	30	60	0.004	0.2
22-23 . . .	44	72	11	41	0.003	0.1
23-24 . . .	(497)	24	20	175	0.031	0.5
24-25 . . .	280	139	76	162	0.010	0.4
<i>8 Years' Average</i>	<u>188</u>	<u>54</u>	<u>56</u>	<u>98</u>	<u>0.009</u>	<u>0.3</u>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	537	297	25	278	0.017	0.7
48-49 . . .	88	41	26	51	0.003	0.1
49-50 . . .	109	132	82	108	0.007	0.3
50-51 . . .	111	54	17	59	0.004	0.2
1951-52* . . .	75	160	31	87	0.005	0.2
52-53 . . .	39	24	16	26	0.002	0.1
53-54 . . .	101	37	23	53	0.003	0.1
54-55 . . .	84	28	25	45	0.003	0.1
55-56 . . .	490	111	77	221	0.014	0.6
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	140	25	117	95	0.006	0.3
58-59 . . .	72	36	25	44	0.003	0.1
59-60 . . .	215	121	57	127	0.008	0.3
60-61 . . .	84	74	31	62	0.004	0.2
<i>12 Years' Average</i>	<i>172</i>	<i>82</i>	<i>43</i>	<i>97</i>	<i>0.006</i>	<i>0.3</i>
<i>29 Years' Average</i>	<i>220</i>	<i>70</i>	<i>41</i>	<i>108</i>	<i>0.007</i>	<i>0.3</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1904-05 . . .	3	3	2	3	Nil	Nil
05-06 . . .	4	4	4	4	,,	,,
1906-07 . . .	3	2	2	2	Nil	Nil
07-08 . . .	9	8	6	8	,,	,,
08-09 . . .	19	11	8	13	0.001	,,
09-10 . . .	10	7	6	8	Nil	,,
10-11 . . .	28	56	19	34	0.002	0.1
1911-12 . . .	9	7	263	93	0.006	0.2
12-13 . . .	13	11	118	47	0.003	0.1
13-14 . . .						
<i>9 Years' Average</i>	<i>11</i>	<i>12</i>	<i>48</i>	<i>24</i>	<i>0.001</i>	<i>Nil</i>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	55	30	26	37	0.002	0.1
18-19 . . .	2	2	1	2	Nil	Nil
19-20 . . .	32	24	19	27	0.002	0.1
20-21 . . .	3	3	2	3	Nil	Nil
1921-22 . . .	15	9	7	10	0.001	Nil
22-23 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
23-24 . . .	10	10	8	9	0.001	Nil
24-25 . . .	25	17	16	20	0.001	0.1
<i>8 Years' Average</i>	<i>18</i>	<i>12</i>	<i>10</i>	<i>14</i>	<i>0.001</i>	<i>Nil</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	22	19	18	20	0.001	0.1
48-49 . . .	34	25	178	79	0.005	0.2
49-50 . . .	30	22	17	23	0.001	0.1
50-51 . . .	13	10	9	11	0.001	Nil
1951-52* . . .	16	12	12	13	0.001	Nil
52-53 . . .	12	9	8	10	0.001	„
53-54 . . .	12	9	8	10	0.001	„
54-55 . . .	19	14	11	15	0.001	„
55-56 . . .	30	15	11	19	0.001	„
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	20	42	16	26	0.002	0.1
58-59 . . .	12	10	13	12	0.001	Nil
59-60 . . .	103	218	34	118	0.007	0.3
60-61 . . .	22	18	17	19	0.001	Nil
<i>12 Years' Average</i>	<i>27</i>	<i>34</i>	<i>28</i>	<i>30</i>	<i>0.002</i>	<i>0.1</i>
29 Years' Average	20	21	29	24	0.001	0.1

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	2	2	2	2	Nil	Nil
05-06 . . .	4	4	3	3	„	„
1906-07 . . .	2	2	3	2	Nil	Nil
07-08 . . .	6	5	4	5	„	„
08-09 . . .	6	6	16	10	0.001	„
09-10 . . .	5	5	4	4	Nil	„
10-11 . . .	13	10	7	10	0.001	„
1911-12 . . .	31	16	11	19	0.001	0.1
12-13 . . .	16	13	12	14	0.001	Nil
13-14 . . .						
<i>9 Years' Average</i>	<i>9</i>	<i>7</i>	<i>7</i>	<i>8</i>	<i>Nil</i>	<i>Nil</i>
1914-15 . . .						
15-16 . . .						
1916-17 . . .						
17-18 . . .	16	12	9	12	0.001	Nil
18-19 . . .	Nil	Nil	Nil	Nil	Nil	„
19-20 . . .	18	14	13	14	0.001	„
20-21 . . .	2	2	2	3	Nil	„
1921-22 . . .	5	4	4	4	Nil	Nil
22-23 . . .	13	10	8	10	0.001	„
23-24 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
24-25 . . .	14	14	13	14	0.001	Nil
<i>8 Years' Average</i>	<i>8</i>	<i>7</i>	<i>6</i>	<i>7</i>	<i>Nil</i>	<i>Nil</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	13	13	12	13	0.001	Nil
48-49 . . .	72	37	20	43	0.003	0.1
49-50 . . .	17	12	10	13	0.001	Nil
50-51 . . .	8	7	6	8	Nil	„
1951-52* . . .	19	17	14	17	0.001	Nil
52-53 . . .	6	6	5	6	Nil	„
53-54 . . .	7	6	6	6	„	„
54-55 . . .	10	10	8	9	0.001	„
55-56 . . .	9	8	7	8	Nil	„
1956-57* . . .	32	23	22	26	0.002	0.1
57-58 . . .	12	11	10	11	0.001	Nil
58-59 . . .	10	8	7	8	Nil	„
59-60 . . .	26	21	18	21	0.001	0.1
60-61 . . .	14	12	11	13	0.001	Nil
<i>12 Years' Average</i>	<i>17</i>	<i>13</i>	<i>10</i>	<i>13</i>	<i>0.001</i>	<i>Nil</i>
<i>29 Years' Average</i>	<i>12</i>	<i>9</i>	<i>8</i>	<i>10</i>	<i>0.001</i>	<i>Nil</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1946-47* . . .	38	38	34	37	0.002	0.1
47-48 . . .	10	12	16	13	0.001	Nil
48-49 . . .	13	13	12	12	0.001	„
49-50 . . .	9	8	7	8	Nil	„
50-51 . . .	(8)	(8)	(8)	(8)	(Nil)	(Nil)
1951-52* . . .	N.A.	N.A.	N.A.			
52-53 . . .	5	5	5	5	Nil	Nil
53-54 . . .	5	6	5	5	„	„
54-55 . . .	7	7	6	7	„	„
55-56 . . .	6	6	5	6	„	„
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	7	6	6	6	Nil	Nil
58-59 . . .	6	5	5	5	„	„
59-60 . . .	14	12	11	12	0.001	„
60-61 . . .	8	6	5	6	Nil	„
12 Years' Average	8	8	8	8	Nil	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1946-47* . . .	31	31	27	30	0.001	0.1
47-48 . . .	13	12	12	12	0.001	Nil
48-49 . . .	12	11	10	11	0.001	„
49-50 . . .	7	5	4	5	Nil	„
50-51 . . .	(6)	(6)	(5)	(6)	(Nil)	(Nil)
1951-52* . . .	6	5	5	5	Nil	Nil
52-53 . . .	5	4	4	4	„	„
53-54 . . .	4	2	1	3	„	„
54-55 . . .	4	3	2	3	„	„
55-56 . . .	4	4	2	4	„	„
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59 . . .	5		4	4	Nil	Nil
59-60 . . .	10	8	7	8	„	„
60-61 . . .	3	3	2	3	„	„
12 Years' Average	6	5	4	5	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47* . . .	26	26	26	26	0.002	0.1
47-48 . . .	6	7	6	7	Nil	Nil
48-49 . . .	7	6	5	6	"	"
49-50 . . .	2	2	2	2	"	"
50-51 . . .	2	2	2	2	"	"
1951-52* . . .	5	4	4	4	Nil	Nil
52-53 . . .	4	3	3	3	"	"
53-54 . . .	1	2	5	3	"	"
54-55 . . .	3	3	2	3	"	"
55-56 . . .	2	2	2	2	"	"
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	4	4	3	4	Nil	Nil
58-59 . . .	3	2	2	2	"	"
59-60 . . .	6	5	5	5	"	"
60-61 . . .	2	2	1	2	"	"
12 Years' Average	4	3	3	3	Nil	Nil

* Not considered for calculating the average.

(35.18)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
1946-47* . . .	28	28	21	26	0.002	0.1
47-48 . . .	4	3	2	3	Nil	Nil
48-49 . . .	7	6	2	5	"	"
49-50 . . .	2	2	2	2	"	"
50-51 . . .	2	2	2	2	"	"
1951-52* . . .	4	4	3	4	Nil	Nil
52-53 . . .	2	2	2	2	"	"
53-54 . . .	1	Nil	Nil	Nil	"	"
54-55 . . .	2	1	5	3	"	"
55-56 . . .	2	2	2	2	"	"
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	2	7	7	6	Nil	Nil
58-59 . . .	2	2	2	2	"	"
59-60 . . .	4	3	3	4	"	"
60-61 . . .	2	1	1	1	"	"
12 Years' Average	3	3	2	3	Nil	Nil

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 35

River **MINA (GHOD)**

Site **WADGAON**

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1946-47* . . .	10	10	9	10	0.001	Nil
47-48 . . .	3	3	2	2	Nil	"
48-49 . . .	2	2	2	2	"	"
49-50 . . .	2	2	5	3	"	"
50-51 . . .	2	2	9	4	"	"
1951-52* . . .	1	1	1	1	Nil	Nil
52-53 . . .	1	1	1	1	"	"
53-54 . . .	Nil	Nil	Nil	Nil	"	"
54-55 . . .	2	1	1	1	"	"
55-56 . . .	2	1	11	5	"	"
1956-57* . . .	N.A.	N.A.	N.A.			
57-58 . . .	4	2	49	19	0.001	0.1
58-59 . . .	2	1	1	1	Nil	Nil
59-60 . . .	3	7	10	7	"	"
60-61 . . .	1	11	11	7	"	"
12 Years' Average	2	3	8	4	Nil	Nil

* Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 36

River **KUKDI (GHOD)**

Site **EDGAON**

Year	Volume of flow	
	M. A. F.	T. M. C.
1906	0.257	11.
07	0.666	29.0
08	0.567	24.7
09	0.558	24.3
10	0.608	26.5
1911	0.441	19.2
12	0.512	22.3
13	1.113	48.5*
14	0.962	41.9
15	0.611	26.6
1916	0.937	40.8
17	0.693	30.2
18	0.271	11.8
19	0.716	31.2
20	0.315	13.7
1921	0.461	20.1
1.1.22 to 30.4.22†	Nil	Nil
1.5.22 to 30.4.23	0.539	23.5
1923-24	0.519	22.6
24-25	0.700	30.5
25-26	0.420	18.3
20 Years' Average	0.592	25.8

* Doubtful

† Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **JUNE**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1948-49 . . .						
49-50 . . .						
50-51 . . .	77	16	5	33	0.002	0.1
1951-52 . . .	112	59	136	102	0.006	0.3
52-53 . . .	191	13	1	68	0.004	0.2
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	39	25	9	24	0.001	0.1
55-56 . . .	6	2	31	13	0.001	Nil
1956-57 . . .	Nil	15	60	25	0.001	0.1
57-58 . . .	2	15	66	28	0.002	0.1
58-59 . . .	3	3	64	23	0.001	0.1
59-60 . . .	Nil	5	6	4	Nil	Nil
60-61 . . .	101	81	8	63	0.004	0.2
10 Years' Average	53	23	39	38	0.002	0.1

* Not considered for calculating the average.

(37.1)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River HANGA (GHOD)

Site VISAPUR

Month JULY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .						
49-50 . . .						
50-51 . . .	10	14	2	9	0.001	Nil
1951-52 . . .	102	189	20	101	0.006	0.3
52-53 . . .	9	40	9	19	0.001	0.1
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	5	9	84	33	0.002	0.1
55-56 . . .	9	6	15	10	0.001	Nil
1956-57 . . .	28	40	37	35	0.002	0.1
57-58 . . .	14	3	Nil	6	Nil	Nil
58-59 . . .	89	123	4	70	0.004	0.2
59-60 . . .	17	7	4	9	0.001	Nil
60-61 . . .	13	3	28	15	0.001	„
10 Years' Average	30	43	20	31	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .						
49-50 . . .						
50-51 . . .	8	13	15	12	0.001	Nil
1951-52 . . .	10	6	3	6	Nil	Nil
52-53 . . .	6	8	4	6	„	„
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	8	10	44	21	0.001	0.1
55-56 . . .	12	9	9	10	0.001	Nil
1956-57 . . .	110	74	291	163	0.010	0.4
57-58 . . .	150	9	37	65	0.004	0.2
58-59 . . .	187	83	1,777	718	0.044	1.9
59-60 . . .	8	2	25	12	0.001	Nil
60-61 . . .	8	1	6	5	Nil	„
10 Years' Average	51	22	221	102	0.006	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .						
49-50 . . .						
50-51 . . .	288	508	1,181	659	0.039	1.7
1951-52 . . .	135	107	17	86	0.005	0.2
52-53 . . .	Nil	8	109	39	0.002	0.1
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	66	20	39	42	0.002	0.1
55-56 . . .	9	95	713	272	0.016	0.7
1956-57 . . .	99	106	411	205	0.012	0.5
57-58 . . .	14	21	17	17	0.001	Nil
58-59 . . .	646	51	46	248	0.015	0.6
59-60 . . .	12	7	38	19	0.001	Nil
60-61 . . .	147	115	653	305	0.018	0.8
10 Years' Average	142	104	322	189	0.011	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49 . . .						
49-50 . . .						
50-51 . . .	16	18	Nil	11	0.001	Nil
1951-52 . . .	245	122	41	133	0.008	0.4
52-53 . . .	30	7	2	13	0.001	Nil
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	22	25	11	19	0.001	0.1
55-56 . . .	Nil	Nil	Nil	Nil	Nil	Nil
1956-57 . . .	495	97	34	203	0.012	0.5
57-58 . . .	15	24	111	52	0.003	0.1
58-59 . . .	46	74	14	44	0.003	0.1
59-60 . . .	100	41	12	50	0.003	0.1
60-61 . . .	231	84	8	104	0.006	0.3
10 Years' Average	120	49	23	63	0.004	0.2

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1948-49 . . .						
49-50 . . .						
50-51 . . .	Nil	Nil	Nil	Nil	Nil	Nil
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	"	"	"	"	"	"
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	Nil	Nil	Nil	Nil	Nil	Nil
55-56 . . .	"	"	"	"	"	"
1956-57 . . .	Nil	Nil	Nil	Nil	Nil	Nil
57-58 . . .	35	45	35	38	0.002	0.1
58-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	141	72	17	77	0.005	0.2
60-61 . . .	24	17	9	17	0.001	Nil
10 Years' Average	20	13	6	13	0.001	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11 -20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49						
49-50*	45	52	60	52	0.003	0.1
50-51	38	44	5	29	0.002	0.1
1951-52	25	22	9	19	0.001	0.1
52-53	20	20	19	20	0.001	0.1
53-54*	15	11	21	16	0.001	Nil
54-55	6	20	14	13	0.001	„
55-56	10	20	18	16	0.001	„
1956-57	35	24	13	24	0.001	0.1
57-58	8	6	15	10	0.001	Nil
58-59	11	Nil	10	7	Nil	„
59-60	16	17	13	15	0.001	„
60-61	17	13	22	17	0.001	„
10 Years' Average	19	19	14	17	0.001	Nil

* Not considered for calculating the averages.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49* . . .	19	8	31	19	0.001	0.1
49-50* . . .	20	1	Nil	7	Nil	Nil
50-51 . . .	16	21	7	15	0.001	
1951-52 . . .	18	9	10	12	0.001	Nil
52-53 . . .	16	(Nil)	(Nil)	5	Nil	„
53-54* . . .	21	17	19	19	0.001	0.1
54-55 . . .	14	11	13	13	0.001	Nil
55-56 . . .	14	6	8	9	0.001	„
1956-57 . . .	16	21	21	19	0.001	0.1
57-58 . . .	7	3	8	6	Nil	Nil
58-59 . . .	12	8	7	9	0.001	„
59-60 . . .	13	9	13	12	0.001	„
60-61 . . .	10	9	10	10	0.001	„
10 Years' Average	14	10	10	11	0.001	Nil

*Not considered for calculating the average

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
1948-49*	28	16	14	19	0.001	Nil
49-50*	1	26	28	18	0.001	„
50-51	17	17	23	19	0.001	„
1951-52	14	21	61	32	0.002	0.1
52-53	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54*	15	11	8	11	0.001	Nil
54-55	6	2	8	5	Nil	„
55-56	6	14	3	8	„	„
1956-57	13	15	19	16	0.001	Nil
57-58	3	3	2	3	Nil	„
58-59	8	8	4	7	„	„
59-60	10	7	2	6	„	„
60-61	116	22	28	57	0.003	0.1
10 Years' Average	19	11	15	15	0.001	Nil

* Not considered for calculating the average.

(37.9)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No 37

River HANGA (GHOD)

Site VISAPUR

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49* . . .	8	9	24	13	0.001	Nil
49-50* . . .	20	15	11	15	0.001	"
50-51 . . .	11	13	11	12	0.001	"
1951-52 . . .	8	17	33	19	0.001	0.1
52-53 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54* . . .	15	20	15	17	0.001	Nil
54-55 . . .	27	24	22	24	0.001	0.1
55-56 . . .	5	21	8	11	0.001	Nil
1956-57 . . .	10	7	14	10	0.001	Nil
57-58 . . .	6	8	2	5	Nil	"
58-59 . . .	7	7	9	8	"	"
59-60 . . .	8	8	2	6	"	"
60-61 . . .	7	5	5	6	"	"
10 Years' Average	9	11	11	10	0.001	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS.**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49* . . .	16	2	2	7	Nil	Nil
49-50* . . .	3	20	10	11	0.001	"
50-51 . . .	9	2	13	8	Nil	"
1951-52 . . .	25	10	14	13	0.001	Nil
52-53 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54* . . .	14	14	13	14	0.001	Nil
54-55 . . .	9	5	8	7	Nil	"
55-56 . . .	6	5	10	7	"	"
1956-57 . . .	3	Nil	1	1	Nil	Nil
57-58 . . .	3	9	1	4	"	"
58-59 . . .	5	Nil	1	2	"	"
59-60 . . .	1	6	2	3	"	"
60-61 . . .	6	7	7	7	"	"
10 Years' Average	7	4	6	5	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 37

River **HANGA (GHOD)**

Site **VISAPUR**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49* . . .	7	22	25	8	0.001	Nil
49-50* . . .	13	13	10	12	0.001	„
50-51 . . .	18	16	11	15	0.001	„
1951-52 . . .	11	9	8	9	0.001	Nil
52-53 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54* . . .	15	15	75	36	0.002	0.1
54-55 . . .	15	14	39	23	0.001	0.1
55-56 . . .	53	3	39	32	0.002	0.1
1956-57 . . .	8	6	7	7	Nil	Nil
57-58 . . .	3	2	2	2	„	„
58-59 . . .	Nil	Nil	9	3	„	„
59-60 . . .	5	75	7	28	0.002	0.1
60-61 . . .	16	69	9	31	0.002	0.1
10 Years Average	13	19	13	15	0.001	Nil

* Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 38

River **NIRA (BHIMA)** Site **NATAMBI**

Year	Volume of flow	
	M. A. F.	T. M. C.
1906	0.282	12.3
07	0.471	20.5
08	0.468	20.4
09	0.432	18.8
10	0.597	26.0
1911	0.230	10.0
12	0.358	15.6
13	0.673	29.3
14	0.592	25.8
15	0.331	14.4
1916	0.537	23.4
17	0.556	24.2
18	0.195	8.5
19	0.732†	31.9†
20	0.503	21.9
1921	0.489	21.3
1.1.22 to 30.4.22*	Nil	Nil
1922-23	0.503†	21.9†
23-24	0.514	22.4
24-25	0.418	18.2
25-26	0.349	15.2
20 Years' Average	0.462	20.1

* Not considered for calculating the average.

† Doubtful

NOTE :—The figures for the years 1906 to 1919 are the volumes of flow for seven months (June to December) only. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River NIRA

Site VIR

Month JUNE

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	N.A.	N.A.	N.A.			
43-44 . . .	597	1,377	1,262	1,079	0.064	2.8
44-45 . . .	(795)	4,252	1,789	2,279	0.136	5.9
45-46 . . .	932	828	1,748	1,169	0.070	3.0
1946-47 . . .	566	387	1,680	878	0.052	2.3
47-48 . . .	1,028	928	902	953	0.057	2.5
48-49 . . .	847	587	932	789	0.047	2.0
49-50 . . .	1,031	1,199	859	1,030	0.061	2.7
50-51 . . .	567	671	611	616	0.037	1.6
8 Years' Average	795	1,279	1,223	1,099	0.066	2.8
1951-52 . . .	618	565	1,901	1,028	0.061	2.7
52-53 . . .	645	451	387	494	0.029	1.3
53-54 . . .	1,037	508	7,728	3,091	0.184	8.0
54-55 . . .	517	494	740	583	0.035	1.5
55-56 . . .	926	1,170	1,492	1,196	0.071	3.1
1956-57 . . .	772	905	2,418	1,365	0.081	3.5
57-58 . . .	(751)	(642)	(2,675)	(1,356)	(0.081)	(3.5)
58-59 . . .	679	733	1,470	961	0.057	2.5
59-60 . . .	637	436	(2,675)	1,249	0.074	3.2
60-61 . . .	929	515	5,265	2,236	0.133	5.8
10 Years' Average	751	642	2,675	1,356	0.081	3.5
18 Years' Average	771	925	2,030	1,242	0.074	3.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River</i> NIRA	<i>Site</i> VIR				<i>Month</i> JULY	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	16,801	6,414	21,286	15,042	0.925	40.3
43-44 . . .	11,325	22,269	16,079	16,542	1.017	44.3
44-45 . . .	3,106	24,475	13,790	13,790	0.848	36.9
45-46 . . .	15,178	11,034	3,286	9,621	0.592	25.8
1946-47 . . .	7,009	2,282	25,543	12,061	0.742	32.3
47-48 . . .	1,094	11,764	8,128	7,032	0.432	18.8
48-49 . . .	1,262	1,895	7,737	3,764	0.231	10.1
49-50 . . .	854	8,489	4,955	4,772	0.293	12.8
50-51 . . .	1,070	8,799	11,244	7,173	0.441	19.2
8 Years' Average	5,112	11,376	11,345	9,344	0.575	25.0
1951-52 . . .	1,562	1,403	6,967	3,429	0.211	9.2
52-53 . . .	1,021	6,029	17,284	8,407	0.517	22.5
53-54 . . .	11,486	5,443	1,854	6,119	0.376	16.4
54-55 . . .	12,006	27,957	5,019	14,672	0.902	39.3
55-56 . . .	5,743	4,900	3,434	4,652	0.286	12.5
1956-57 . . .	20,371	18,093	10,009	15,959	0.981	42.7
57-58 . . .	2,053	10,946	3,716	5,512	0.339	14.8
58-59 . . .	8,028	26,575	6,554	13,488	0.829	36.1
59-60 . . .	18,011	11,707	26,489	18,986	1.167	50.9
60-61 . . .	22,287	2,646	11,667	12,183	0.749	32.6
10 Years' Average	10,257	11,570	9,299	10,341	0.636	27.7
18 Years' Average	7,970	11,484	10,209	9,898	0.609	26.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River</i> NIRA	<i>Site</i> VIR				<i>Month</i> AUGUST	
<i>Year</i> (June to May)	<i>(Mean discharge (Cusecs))</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	22,338	9,407	2,625	11,172	0.687	29.9
43-44 . . .	14,594	4,363	2,156	6,881	0.423	18.4
44-45 . . .	14,180	9,587	11,925	11,899	0.732	31.9
45-46 . . .	1,410	23,155	8,642	10,978	0.675	29.4
1946-47 . . .	29,900	16,678	12,757	19,561	1.203	52.4
47-48 . . .	2,221	4,479	16,317	7,951	0.489	21.3
48-49 . . .	5,781	13,486	4,315	7,746	0.476	20.7
49-50 . . .	17,778	6,440	2,790	8,802	0.541	23.6
50-51 . . .	6,281	3,960	955	3,643	0.224	9.8
<i>8 Years' Average</i>	<i>11,518</i>	<i>10,268</i>	<i>7,482</i>	<i>9,683</i>	<i>0.595</i>	<i>25.9</i>
1951-52 . . .	9,503	4,223	2,434	5,292	0.325	14.2
52-53 . . .	12,785	11,199	5,495	9,687	0.596	25.9
53-54 . . .	19,468	25,008	6,433	16,630	1.023	44.5
54-55 . . .	30,539	18,215	1,879	16,394	1.008	43.9
55-56 . . .	5,789	5,580	6,271	5,893	0.362	15.8
1956-57 . . .	27,970	1,155	3,598	10,672	0.656	28.6
57-58 . . .	8,428	5,190	8,637	7,458	0.459	20.0
58-59 . . .	4,783	4,462	8,902	6,141	0.378	16.4
59-60 . . .	16,702	5,341	11,666	11,250	0.692	30.1
60-61 . . .	18,506	17,175	9,134	14,751	0.907	39.5
<i>10 Years' Average</i>	<i>15,447</i>	<i>9,755</i>	<i>6,445</i>	<i>10,417</i>	<i>0.641</i>	<i>27.9</i>
18 Years' Average	13,701	9,983	6,906	10,090	0.620	27.0

* Not considered for calculating the average.

(39.3)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River **NIRA**

Site **VIR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	9,150	1,725	1,830	4,235	0.252	11.0
43-44 . . .	3,015	3,539	2,961	3,172	0.189	8.2
44-45 . . .	1,829	1,465	1,289	1,528	0.091	4.0
45-46 . . .	2,336	2,389	2,027	2,251	0.134	5.8
1946-47 . . .	5,744	3,468	1,735	3,649	0.217	9.5
47-48 . . .	13,213	3,170	12,589	9,657	0.575	25.0
48-49 . . .	1,764	1,291	9,068	4,041	0.240	10.5
49-50 . . .	3,310	2,395	5,660	3,788	0.225	9.8
50-51 . . .	4,112	3,830	3,904	3,949	0.235	10.2
<i>8 Years' Average</i>	4,415	2,693	4,904	4,004	0.238	10.4
1951-52 . . .	1,314	1,217	1,048	1,193	0.071	3.1
52-53 . . .	1,772	1,679	1,205	1,552	0.092	4.0
53-54 . . .	3,010	4,106	1,444	2,853	0.170	7.4
54-55 . . .	13,803	4,602	3,143	7,183	0.427	18.6
55-56 . . .	17,497	2,285	3,795	7,858	0.468	20.4
1956-57 . . .	3,039	2,472	3,997	3,169	0.189	8.2
57-58 . . .	2,022	3,101	1,265	2,129	0.127	5.5
58-59 . . .	6,974	6,157	1,725	4,952	0.295	12.8
59-60 . . .	25,386	6,217	4,509	12,037	0.716	31.2
60-61 . . .	7,312	3,587	6,881	9,260	0.551	24.0
<i>10 Years' Average</i>	8,213	3,542	3,901	5,219	0.311	13.5
18 Years' Average	6,525	3,165	4,347	4,679	0.278	12.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River NIRA

Site VIR

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	1,768	1,266	1,178	1,397	0.086	3.7
43-44 . . .	2,858	4,982	1,610	3,100	0.191	8.3
44-45 . . .	1,285	1,009	1,260	1,187	0.073	3.2
45-46 . . .	1,734	1,539	1,274	1,508	0.093	4.0
1946-47 . . .	2,313	1,420	1,735	1,820	0.112	4.9
47-48	7,657	1,163	1,546	3,394	0.209	9.1
48-49 . . .	7,659	551	1,092	3,036	0.187	8.1
49-50	1,927	1,077	Nil	969	0.060	2.6
50-51	3,377	1,144	1,142	1,864	0.115	5.0
8 Years' Average	3,601	1,611	1,207	2,110	0.130	5.7
1951-52 . . .	2,366	988	733	1,342	0.083	3.6
52-53 . . .	1,111	735	1,218	1,028	0.063	2.8
53-54 . . .	2,203	1,486	388	1,328	0.082	3.6
54-55 . . .	1,543	1,523	134	1,037	0.064	2.8
55-56 . . .	5,555	1,480	4,998	4,041	0.248	10.8
1956-57 . . .	10,455	11,107	1,152	7,364	0.453	19.7
57-58 . . .	1,259	1,315	4,114	2,290	0.141	6.1
58-59 . . .	1,382	831	997	1,068	0.066	2.9
59-60 . . .	2,411	1,688	1,255	1,768	0.109	4.7
60-61 . . .	3,505	1,573	1,601	2,206	0.136	5.9
10 Years' Average	3,179	2,273	1,659	2,347	0.144	6.3
18 Years' Average	3,367	1,978	1,458	2,242	0.138	6.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River NIRA

Site VIR

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	1,118	1,630	N.A.			
43-44 . . .	1,097	1,512	1,510	1,373	0.082	3.6
44-45 . . .	816	1,267	1,582	1,222	0.073	3.2
45-46 . . .	1,502	1,825	1,744	1,690	0.101	4.4
1946-47 . . .	1,487	566	977	1,010	0.060	2.6
47-48 . . .	1,178	1,623	1,595	1,465	0.087	3.8
48-49 . . .	884	841	380	702	0.042	1.8
49-50 . . .	1,191	1,502	1,616	1,436	0.085	3.7
50-51 . . .	1,716	1,708	1,711	1,712	0.102	4.4
8 Years' Average	1,234	1,356	1,389	1,326	0.079	3.4
1951-52 . . .	1,439	1,531	1,241	1,403	0.083	3.6
52-53 . . .	1,877	1,789	1,249	1,638	0.097	4.2
53-54 . . .	412	1,963	2,028	1,468	0.087	3.8
54-55 . . .	1,762	1,718	1,181	1,554	0.092	4.0
55-56 . . .	589	1,434	1,776	1,266	0.075	3.3
1956-57 . . .	4,857	1,898	2,044	2,933	0.175	7.6
57-58 . . .	688	1,097	644	810	0.048	2.1
58-59 . . .	1,600	1,798	1,322	1,573	0.094	4.1
59-60 . . .	1,204	1,026	1,410	1,213	0.072	3.1
60-61 . . .	958	1,141	443	847	0.050	2.2
10 Years' Average	1,539	1,540	1,334	1,470	0.087	3.8
18 Years' Average	1,403	1,458	1,358	1,406	0.084	3.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River</i> NIRA	<i>Site</i> VIR				<i>Month</i> DECEMBER	
<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1942-43* . . .	N.A.	N.A.	N.A.			
43-44 . . .	1,563	1,512	1,291	1,450	0.089	3.9
44-45 . . .	1,843	1,755	974	1,506	0.093	4.0
45-46 . . .	1,517	1,400	1,485	1,468	0.090	3.9
1946-47 . . .	1,139	1,370	1,194	1,233	0.076	3.3
47-48 . . .	1,529	1,078	1,430	1,348	0.083	3.6
48-49 . . .	384	1,441	1,599	1,156	0.071	3.1
49-50 . . .	1,597	1,630	1,285	1,497	0.092	4.0
50-51 . . .	1,293	1,258	1,235	1,261	0.078	3.4
<i>8 Years' Average</i>	1,358	1,430	1,312	1,365	0.084	3.7
1951-52 . . .	1,104	980	1,558	1,225	0.075	3.3
52-53 . . .	2,905	1,727	1,182	1,914	0.118	5.1
53-54 . . .	1,742	1,362	1,993	1,708	0.105	4.6
54-55 . . .	988	1,652	1,178	1,270	0.078	3.4
55-56 . . .	1,235	1,645	1,583	1,491	0.092	4.0
1956-57 . . .	913	1,559	1,680	1,394	0.086	3.7
57-58 . . .	1,765	1,926	1,500	1,723	0.106	4.6
58-59 . . .	833	1,059	1,552	1,161	0.071	3.1
59-60 . . .	1,365	1,828	1,385	1,521	0.094	4.1
60-61 . . .	1,758	1,661	1,084	1,489	0.092	4.0
<i>10 Years' Average</i>	1,461	1,540	1,470	1,490	0.092	4.0
18 Years' Average	1,415	1,491	1,399	1,434	0.088	3.8

* Not considered for calculating the average.

(39.7)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River NIRA		Site VIR				Month JANUARY	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
1942-43* . . .	N.A.	N.A.	N.A.				
43-44 . . .	1,280	1,238	821	1,104	0.068	3.0	
44-45 . . .	1,266	1,123	1,013	1,130	0.069	3.0	
45-46 . . .	1,384	1,383	1,046	1,264	0.078	3.4	
1946-47 . . .	866	1,292	924	1,024	0.063	2.7	
47-48 . . .	1,646	1,115	723	1,147	0.071	3.1	
48-49 . . .	1,685	1,279	1,006	1,313	0.081	3.5	
49-50 . . .	1,370	1,218	985	1,184	0.073	3.2	
50-51 . . .	1,098	1,094	1,240	1,147	0.071	3.1	
8 Years' Average	1,324	1,218	970	1,164	0.072	3.1	
1951-52 . . .	704	958	590	745	0.046	2.0	
52-53 . . .	450	936	774	722	0.044	1.9	
53-54 . . .	1,513	831	972	1,101	0.068	2.9	
54-55 . . .	1,185	668	769	871	0.054	2.3	
55-56 . . .	1,192	1,123	880	1,059	0.065	2.8	
1956-57 . . .	1,286	869	985	1,045	0.064	2.8	
57-58 . . .	894	955	868	904	0.056	2.4	
58-59 . . .	1,047	629	457	703	0.043	1.9	
59-60 . . .	1,144	899	799	943	0.058	2.5	
60-61 . . .	1,572	712	722	993	0.061	2.7	
10 Years' Average	1,099	858	782	909	0.056	2.4	
18 Years' Average	1,199	1,018	865	1,022	0.063	2.7	

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

River **NIRA**

Site **VIR**

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1942-43* . . .	N.A.	N.A.	N.A.			
43-44 . . .	1,230	669	782	898	0.052	2.3
44-45 . . .	954	927	598	843	0.047	2.0
45-46 . . .	1,054	61	370	504	0.028	1.2
1946-47 . . .	898	774	926	862	0.048	2.1
47-48 . . .	1,036	861	521	816	0.047	2.0
48-49 . . .	1,116	642	800	856	0.048	2.1
49-50 . . .	751	987	703	822	0.046	2.0
50-51 . . .	888	697	299	652	0.036	1.6
8 Years' Average	991	702	625	782	0.043	1.9
1951-52 . . .	603	569	747	636	0.037	1.6
52-53 . . .	617	338	730	550	0.031	1.3
53-54 . . .	854	689	441	677	0.038	1.6
54-55 . . .	1,216	625	891	912	0.051	2.2
55-56 . . .	727	829	985	656	0.038	1.6
1956-57 . . .	976	733	616	786	0.044	1.9
57-58 . . .	1,199	903	631	931	0.052	2.3
58-59 . . .	779	1,030	553	804	0.045	1.9
59-60 . . .	983	543	1,438	972	0.056	2.4
60-61 . . .	1,235	851	172	794	0.044	1.9
10 Years' Average	919	711	660	772	0.043	1.9
18 Years' Average	951	707	645	776	0.043	1.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River</i> NIRA	<i>Site</i> VIR				<i>Month</i> MARCH	
<i>Year</i> * (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1942-43*	N.A.	N.A.	N.A.			
43-44	774	700	680	717	0.044	1.9
44-45	773	807	798	793	0.049	2.1
45-46	610	685	627	640	0.039	1.7
1946-47	826	809	692	773	0.048	2.1
47-48	455	513	712	565	0.035	1.5
48-49	199	875	711	599	0.037	1.6
49-50	758	756	801	773	0.048	2.1
50-51	1,594	689	658	970	0.040	2.6
<i>8 Years' Average</i>	749	729	710	729	0.045	2.0
1951-52	541	542	567	551	0.034	1.5
52-53	764	613	619	664	0.041	1.8
53-54	682	672	635	662	0.041	1.8
54-55	553	841	749	715	0.044	1.9
55-56	559	645	750	656	0.040	1.8
1956-57	683	624	754	689	0.042	1.8
57-58	493	816	771	696	0.043	1.9
58-59	534	786	736	687	0.042	1.8
59-60	423	582	761	594	0.037	1.6
60-61	1,205	696	789	893	0.055	2.4
<i>10 Years' Average</i>	644	682	713	681	0.042	1.8
<i>18 Years' Average</i>	690	703	712	702	0.043	1.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River</i> NIRA	<i>Site</i> VIR				<i>Month</i> APRIL	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T. M. C.</i>
1942-43* . . .	N.A.	N.A.	N.A.			
43-44 . . .	676	829	720	742	0.044	1.9
44-45 . . .	754	749	965	823	0.049	2.1
45-46 . . .	494	521	648	554	0.033	1.4
1946-47 . . .	711	593	1,039	781	0.046	2.0
47-48 . . .	674	795	960	810	0.048	2.1
48-49 . . .	907	685	986	859	0.051	2.2
49-50 . . .	836	750	835	807	0.048	2.1
50-51 . . .	758	837	852	816	0.049	2.1
8 Years' Average	726	720	876	774	0.046	2.0
1951-52 . . .	594	624	694	637	0.038	1.7
52-53 . . .	501	796	681	659	0.039	1.7
53-54 . . .	796	718	755	756	0.045	2.0
54-55 . . .	818	797	730	778	0.046	2.0
55-56 . . .	883	824	1,107	938	0.056	2.4
1956-57 . . .	815	1,072	1,281	1,056	0.063	2.7
57-58 . . .	828	851	938	872	0.052	2.3
58-59 . . .	730	795	764	763	0.045	2.0
59-60 . . .	922	1,081	1,255	1,086	0.065	2.8
60-61 . . .	986	918	806	903	0.054	2.3
10 Years' Average	787	848	901	845	0.050	2.2
18 Years' Average	760	791	890	813	0.048	2.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 39

<i>River NIRA</i>	<i>Site, VIR</i>				<i>Month MAY</i>	
<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1942-43* . . .	N.A.	N.A.	N.A.			
43-44 . . .	829	819	838	829	0.051	2.2
44-45 . . .	693	807	861	789	0.049	2.1
45-46 . . .	508	575	690	594	0.037	1.6
1946-47 . . .	894	852	1,120	961	0.059	2.6
47-48 . . .	802	691	776	757	0.047	2.0
48-49 . . .	993	1,032	756	921	0.057	2.5
49-50 . . .	694	737	98	496	0.030	1.3
50-51 . . .	1,035	949	925	968	0.060	2.6
<i>8 Years' Average</i>	<i>806</i>	<i>808</i>	<i>758</i>	<i>789</i>	<i>0.049</i>	<i>2.1</i>
1951-52 . . .	557	548	591	566	0.035	1.5
52-53 . . .	653	684	622	652	0.040	1.7
53-54 . . .	836	791	599	737	0.045	2.0
54-55 . . .	863	706	654	738	0.045	2.0
55-56 . . .	887	825	772	826	0.051	2.2
1956-57 . . .	1,512	1,388	1,010	1,294	0.080	3.5
57-58 . . .	1,016	1,087	974	1,024	0.063	2.7
58-59 . . .	721	970	89	577	0.035	1.5
59-60 . . .	1,241	1,307	589	1,031	0.063	2.8
60-61 . . .	961	964	406	765	0.047	2.0
<i>10 Years' Average</i>	<i>925</i>	<i>927</i>	<i>631</i>	<i>821</i>	<i>0.050</i>	<i>2.2</i>
<i>18 Years' Average</i>	<i>872</i>	<i>874</i>	<i>687</i>	<i>807</i>	<i>0.050</i>	<i>2.2</i>

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 40

River **NIRA (BHIMA)**

Site **SARATI**

Month **JANUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1948-49 . . .						
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53						
53-54						
54-55	119	167	143	143	0.009	0.4
55-56						
1956-57						
57-58	274	258	118	207	0.013	0.6
58-59						
59-60	278	242	210	237	0.015	0.6
60-61						
3 Years' Average	224	222	157	196	0.012	0.5

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 40

River **NIRA (BHIMA)**

Site **SARATI**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1948-49 . . .						
49-50 . . .						
50-51* . . .	69	68	67	68	0.004	0.2
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .	124	161	100	131	0.007	0.3
55-56 . . .						
1956-57 . . .						
57-58 . . .	99	87	92	93	0.005	0.2
58-59 . . .						
59-60 . . .	201	154	97	152	0.009	0.4
60-61 . . .						
3 Years' Average	141	134	96	125	0.007	0.3

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 40

River **NIRA (BHIMA)**

Site **SARATI**

Month **MARCH**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1948-49						
49-50*	106	98	77	89	0.005	0.2
50-51*	58	56	60	58	0.004	0.2
1951-52						
52-53						
53-54						
54-55	102	107	98	103	0.006	0.3
55-56						
1956-57						
57-58	76	84	85	82	0.005	0.2
58-59*	45	38	45	42	0.003	0.1
59-60	95	92	80	89	0.005	0.2
60-61						
3 Years' Average	91	94	88	91	0.005	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 40

River **NIRA (BHIMA)**

Site **SARATI**

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1948-49*	118	110	114	114	0.007	0.3
49-50*	74	73	69	72	0.004	0.2
50-51*	58	57	57	58	0.003	0.2
1951-52						
52-53						
53-54						
54-55	164	72	88	108	0.006	0.3
55-56						
1956-57						
57-58	81	77	100	86	0.005	0.2
58-59*	33	66	58	52	0.003	0.1
59-60	85	83	114	94	0.006	0.2
60-61						
3 Years' Average	110	77	101	96	0.006	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 40

River **NIRA (BHIMA)**

Site **SARATI**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T. M. C.</i>
1948-49* . . .	133	121	N.A.	129	0.008	0.3
49-50* . . .	71	71	78	72	0.004	0.2
50-51* . . .	58	58	210	112	0.007	0.3
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .	83	82	98	87	0.005	0.2
55-56 . . .						
1956-57* . . .	142	124	162	140	0.009	0.4
57-58 . . .	104	107	105	106	0.007	0.3
58-59* . . .	51	76	185	95	0.006	0.3
59-60 . . .	106	127	273	149	0.009	0.4
60-61 . . .						
3 Years' Average	98	105	159	114	0.007	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 41

River **NIRA (BHIMA)**

Site **NARASINGPUR**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	N.A.	N.A.	N.A.			
50-51* . . .	"	"	"			
1951-52 . . .	207	132	(126)	154	0.009	0.4
52-53 . . .	74	84	102	87	0.005	0.2
53-54* . . .	212	212	159	193	0.012	0.5
54-55 . . .	(140)	286	252	227	0.014	0.6
55-56 . . .						
1956-57 . . .						
57-58* . . .	36	53	28	39	0.002	0.1
58-59 . . .						
3 Years' Average	140	167	160	156	0.009	0.4

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	N.A.	N.A.	N.A.			
50-51* . . .	126	139	156	141	0.008	0.3
1951-52 . . .	120	94	84	99	0.006	0.2
52-53 . . .	76	62	43	61	0.003	0.1
53-54* . . .	156	150	121	144	0.008	0.3
54-55 . . .	227	235	214	249	0.014	0.6
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59* . . .	152	142	151	148	0.008	0.4
3 Years' Average	141	130	114	136	0.008	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 41

River NIRA (BHIMA)

Site NARASINGPUR

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	N.A.	N.A.	139			
50-51* . . .	126	108	83	105	0.006	0.3
1951-52 . . .	80	75	68	74	0.005	0.2
52-53 . . .	21	23	22	22	0.001	0.1
53-54* . . .	116	111	116	114	0.007	0.3
54-55 . . .	207	202	189	199	0.012	0.5
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59* . . .	105	107	102	105	0.006	0.3
3 Years' Average	103	100	93	98	0.006	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 41

River **NIRA (BHIMA)**

Site **NARASINGPUR**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1949-50* . . .	171	108	88	122	0.007	0.3
50-51* . . .	75	72	108	85	0.005	0.2
1951-52 . . .	44	45	36	42	0.002	0.1
52-53 . . .	21	112	81	77	0.005	0.2
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	182	182	186	183	0.011	0.5
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59* . . .	97	101	123	107	0.006	0.3
3 Years' Average	82	113	101	101	0.006	0.3

* Not considered for calculating the average.

(41.3)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 41

River **NIRA (BHIMA)**

Site **NARASINGPUR**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	84	71	N.A.			
50-51* . . .	88	77	93	86	0.005	0.2
1951-52 . . .	29	23	11	24	0.001	0.1
52-53 . . .	54	36	21	36	0.002	0.1
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	185	168	224	191	0.012	0.5
55-56* . . .	N.A.	N.A.	N.A.			
1956-57* . . .	103	90	71	88	0.005	0.2
57-58 . . .						
58-59* . . .	128	109	148	126	0.008	0.3
59-60 . . .						
60-61 . . .						
3 Years' Average	89	76	85	84	0.005	0.2

* Not considered for calculating the average.

(41.4)

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 42

River YELWANDI (NIRA)		Site BHATGHAR			Month JUNE	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. f
1941-42 . . .	Nil	Nil	1,725	575	0.034	1.5
42-43 . . .	"	"	859	286	0.017	0.7
43-44 . . .	"	1,665	1,064	910	0.054	2.4
44-45 . . .	"	719	528	416	0.025	1.1
45-46 . . .	"	Nil	1,955	652	0.039	1.7
1946-47 . . .	Nil	Nil	2,489	830	0.049	2.2
47-48 . . .	93	"	Nil	31	0.002	0.1
48-49 . . .	Nil	"	"	Nil	Nil	Nil
49-50 . . .	"	"	"	"	"	"
50-51 . . .	"	"	"	"	"	"
10 Years' Average	9	238	862	370	0.022	1.0
1951-52 . . .	Nil	Nil	2,861	954	0.057	2.5
52-53 . . .	"	"	1,714	571	0.034	1.5
53-54 . . .	"	"	4,092	1,364	0.081	3.5
54-55 . . .	"	"	613	204	0.012	0.5
55-56 . . .	"	"	Nil	Nil	Nil	Nil
1956-57 . . .	Nil	Nil	Nil	Nil	Nil	Nil
57-58 . . .	"	"	"	"	"	"
58-59 . . .	"	"	1,366	455	0.027	1.2
59-60 . . .	"	"	Nil	Nil	Nil	Nil
60-61 . . .	"	"	"	"	"	"
10 Years' Average	Nil	Nil	1,065	355	0.021	0.9
20 Years' Average	5	119	963	362	0.022	0.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATGHAR**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42	14,143	1,568	990	6,387	0.393	17.1
42-43	11,374	5,223	9,717	8,802	0.541	23.6
43-44	7,988	9,057	7,589	8,191	0.504	21.9
44-45	4,280	12,174	10,234	8,939	0.550	23.9
45-46	9,790	7,438	1,730	6,171	0.379	16.5
1946-47	7,345	3,242	12,963	8,015	0.493	21.5
47-48	711	7,909	4,176	4,262	0.262	11.4
48-49	516	2,569	5,114	2,810	0.173	7.5
49-50	876	6,552	3,411	3,606	0.222	9.7
50-51	Nil	11,117	8,886	6,739	0.414	18.0
<i>10 Years' Average</i>	<i>5,702</i>	<i>6,985</i>	<i>6,481</i>	<i>6,392</i>	<i>0.393</i>	<i>17.1</i>
1951-52	614	1,148	6,469	2,864	0.176	7.7
52-53	1,173	5,942	1,208	2,724	0.167	7.3
53-54	6,929	4,846	1,198	4,223	0.260	11.3
54-55	7,098	10,104	1,713	6,157	0.379	16.5
55-56	4,559	4,359	2,231	3,668	0.226	9.8
1956-57	11,796	6,883	3,755	7,358	0.452	19.7
57-58	566	6,757	2,914	3,396	0.209	9.1
58-59	7,602	14,619	3,218	8,310	0.511	22.3
59-60	9,437	9,098	9,096	9,207	0.566	24.7
60-61	9,785	9,281	4,909	7,892	0.485	21.1
<i>10 Years Average</i>	<i>5,956</i>	<i>7,304</i>	<i>3,671</i>	<i>5,580</i>	<i>0.343</i>	<i>14.9</i>
20 Years' Average	5,829	7,144	5,076	5,986	0.368	16.0

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 42

River	YELWANDI (NIRA)	Site BHATGHAR			Month AUGUST	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	W h month	M. A. F.	T. M. C.
1941-42 . . .	1,994	5,039	1,237	2,708	0.167	7.3
42-43 . . .	8,562	3,551	1,353	4,388	0.270	11.8
43-44 . . .	4,630	1,357	607	2,147	0.132	5.8
44-45 . . .	9,689	23,389	8,638	13,735	0.845	36.8
45-46 . . .	744	9,097	3,689	4,484	0.276	12.0
1946-47 . . .	11,299	7,242	4,595	7,611	0.468	20.4
47-48 . . .	1,006	1,141	7,460	3,340	0.205	8.9
48-49 . . .	1,581	8,632	2,244	4,091	0.252	11.0
49-50 . . .	9,551	2,911	732	4,280	0.263	11.5
50-51 . . .	6,261	1,536	246	2,602	0.160	7.0
10 Years' Average	5,532	6,390	3,080	4,939	0.304	13.2
1951-52 . . .	6,874	2,979	1,661	3,768	0.232	10.1
52-53 . . .	6,824	5,288	1,265	4,356	0.268	11.7
53-54 . . .	8,553	8,203	1,722	6,016	0.370	16.1
54-55 . . .	8,041	4,421	714	4,273	0.263	11.4
55-56 . . .	3,758	3,795	4,501	4,034	0.248	10.8
1956-57 . . .	11,476	4,538	1,043	5,536	0.340	14.8
57-58 . . .	5,282	3,816	3,495	4,175	0.257	11.2
58-59 . . .	2,164	2,605	3,653	2,835	0.174	7.6
59-60 . . .	5,001	1,831	3,269	3,364	0.207	9.0
60-61 . . .	6,802	5,020	2,336	4,642	0.285	12.4
10 Years' Average	6,478	4,250	2,366	4,300	0.264	11.5
20 Years' Average	6,005	5,320	2,723	4,619	0.284	12.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

<i>River</i>	YELWANDI (NIRA)	<i>Site</i>	BHATGHAR	<i>Month</i>	SEPTEMBER	
<i>Year (June to May,</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42 . . .	283	764	196	414	0.025	1.1
42-43 . . .	4,188	313	335	1,612	0.096	4.2
43-44 . . .	56	927	623	735	0.044	1.9
44-45 . . .	498	415	246	386	0.023	1.0
45-46 . . .	917	601	767	762	0.045	2.0
1946-47 . . .	1,277	541	150	656	0.039	1.7
47-48 . . .	4,095	572	3,450	2,766	0.161	7.0
48-49 . . .	1,028	389	443	620	0.037	1.6
49-50 . . .	957	265	1,950	1,057	0.063	2.7
50-51 . . .	1,509	532	331	791	0.047	2.1
<i>10 Years' Average</i>	<i>1,541</i>	<i>532</i>	<i>849</i>	<i>974</i>	<i>0.058</i>	<i>2.5</i>
1951-52 . . .	486	445	185	372	0.022	1.0
52-53 . . .	109	114	118	114	0.007	0.3
53-54 . . .	447	179	113	246	0.015	0.6
54-55 . . .	4,922	1,576	1,380	2,626	0.156	6.8
55-56 . . .	6,972	509	889	2,790	0.166	7.2
1956-57 . . .	850	305	1,185	780	0.046	2.0
57-58 . . .	340	828	Nil	389	0.023	1.0
58-59 . . .	1,988	2,169	„	1,386	0.082	3.6
59-60 . . .	8,473	994	„	3,156	0.188	8.2
60-61 . . .	1,231	827	958	1,005	0.060	2.6
<i>10 Years' Average</i>	<i>2,582</i>	<i>795</i>	<i>483</i>	<i>1,286</i>	<i>0.076</i>	<i>3.3</i>
20 Years' Average	2,061	663	666	1,130	0.067	2.9

(42.4)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

<i>River</i> YELWANDI (NIRA)	<i>Site</i> BHATGHAR				<i>Month</i> OCTOBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42 . . .	Nil	Nil	Nil	Nil	Nil	Nil
42-43 . . .	"	"	"	"	"	"
43-44 . . .	242	693	64	324	0.020	0.9
44-45 . . .	Nil	Nil	Nil	Nil	Nil	Nil
45-46 . . .	"	"	"	"	"	"
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48 . . .	964	"	"	311	0.019	0.8
48-49 . . .	199	67	"	86	0.005	0.2
49-50 . . .	Nil	Nil	"	Nil	Nil	Nil
50-51 . . .	567	58	15	207	0.013	0.6
<i>10 Years' Average</i>	<i>197</i>	<i>82</i>	<i>8</i>	<i>93</i>	<i>0.006</i>	<i>0.2</i>
1951-52 . . .	432	472	109	330	0.020	0.9
52-53 . . .	Nil	Nil	Nil	Nil	Nil	Nil
53-54 . . .	"	"	"	"	"	"
54-55 . . .	216	"	"	70	0.004	0.2
55-56 . . .	1,883	41	361	749	0.046	2.0
1956-57 . . .	1,416	1,305	11	882	0.054	2.4
57-58 . . .	Nil	Nil	Nil	Nil	Nil	Nil
58-59 . . .	"	"	"	"	"	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
<i>10 Years' Average</i>	<i>395</i>	<i>182</i>	<i>48</i>	<i>203</i>	<i>0.012</i>	<i>0.5</i>
20 Years' Average	296	132	28	148	0.009	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATGHAR**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42 . . .	Nil	Nil	Nil	Nil	Nil	Nil
42-43 . . .	"	"	"	"	"	"
43-44 . . .	"	"	"	"	"	"
44-45 . . .	"	"	"	"	"	"
45-46 . . .	"	"	"	"	"	"
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48 . . .	"	"	"	"	"	"
48-49 . . .	"	"	"	"	"	"
49-50 . . .	"	"	"	"	"	"
50-51 . . .	"	"	"	"	"	"
<i>10 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	"	"	"	"	"	"
53-54 . . .	"	"	"	"	"	"
54-55 . . .	"	"	"	"	"	"
55-56 . . .	"	"	"	"	"	"
1956-57 . . .	365	23	44	144	0.009	0.4
57-58 . . .	Nil	Nil	Nil	Nil	Nil	Nil
58-59 . . .	"	"	"	"	"	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
<i>10 Years' Average</i>	<i>36</i>	<i>2</i>	<i>4</i>	<i>14</i>	<i>0.001</i>	<i>Nil</i>
<i>20 Years' Average</i>	<i>18</i>	<i>1</i>	<i>2</i>	<i>7</i>	<i>Nil</i>	<i>Nil</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATCHAR**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42 . . .	276	149	241	222	0.014	0.6
42-43 . . .	80	299	391	261	0.016	0.7
43-44 . . .	115	11	92	73	0.004	0.2
44-45 . . .	57	34	115	69	0.004	0.2
45-46 . . .	34	149	103	95	0.006	0.3
1946-47 . . .	34	57	80	57	0.004	0.2
47-48 . . .	3	69	149	76	0.005	0.2
48-49 . . .	23	115	11	49	0.003	0.1
49-50 . . .	69	69	103	80	0.005	0.2
50-51 . . .	23	23	92	46	0.003	0.1
<i>10 Years' Average</i>	<i>71</i>	<i>98</i>	<i>138</i>	<i>103</i>	<i>0.006</i>	<i>0.3</i>
1951-52 . . .	69	69	172	106	0.007	0.3
52-53 . . .	69	92	34	65	0.004	0.2
53-54 . . .	57	9	103	58	0.004	0.2
54-55 . . .	46	230	161	146	0.009	0.4
55-56 . . .	69	92	92	84	0.005	0.2
1956-57 . . .	34	69	115	73	0.004	0.2
57-58 . . .	23	127	80	77	0.005	0.2
58-59 . . .	(56)	(99)	(102)	(86)	(0.005)	(0.2)
59-60 . . .	80	92	115	96	0.006	0.3
60-61 . . .	57	115	46	72	0.004	0.2
<i>10 Years' Average</i>	<i>56</i>	<i>99</i>	<i>102</i>	<i>86</i>	<i>0.005</i>	<i>0.2</i>
20 Years' Average	64	98	120	95	0.006	0.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATGHAR**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the Month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42	241	276	172	229	0.014	0.6
42-43	80	161	172	138	0.008	0.4
43-44	Nil	92	138	77	0.005	0.2
44-45	57	80	103	80	0.005	0.2
45-46	207	34	57	99	0.006	0.3
1946-47	80	46	46	57	0.004	0.2
47-48	69	46	80	65	0.004	0.2
48-49	46	34	103	61	0.004	0.2
49-50	46	23	103	57	0.004	0.2
50-51	23	92	103	73	0.004	0.2
<i>10 Years' Average</i>	85	88	108	94	0.006	0.3
1951-52	92	69	11	57	0.004	0.2
52-53	92	69	11	57	0.004	0.2
53-54	69	34	69	57	0.004	0.2
54-55	149	127	172	149	0.009	0.4
55-56	149	103	149	134	0.008	0.4
1956-57	46	23	80	49	0.003	0.1
57-58	69	115	46	77	0.005	0.2
58-59	(92)	(73)	(69)	(78)	(0.005)	(0.2)
59-60	69	46	34	49	0.003	0.1
60-61	92	69	46	69	0.004	0.2
<i>10 Years' Average</i>	92	73	69	78	0.005	0.2
20 Years' Average	88	81	88	86	0.005	0.2

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATGHAR**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1941-42 . . .	Nil	Nil	Nil	Nil	Nil	Nil
42-43 . . .	172	161	161	165	0.009	0.4
43-44 . . .	11	34	149	62	0.004	0.2
44-45 . . .	57	103	57	72	0.004	0.2
45-46 . . .	80	1	69	50	0.003	0.1
1946-47 . . .	11	92	69	57	0.003	0.1
47-48 . . .	57	69	23	51	0.003	0.1
48-49 . . .	69	46	57	57	0.003	0.1
49-50 . . .	149	69	1	78	0.004	0.2
50-51 . . .	57	34	46	46	0.003	0.1
19 Years' Average	66	61	63	64	0.004	0.2
1951-52 . . .	46	34	138	70	0.004	0.2
52-53 . . .	7	46	46	33	0.002	0.1
53-54 . . .	23	80	34	46	0.003	0.1
54-55 . . .	265	92	103	157	0.009	0.4
55-56 . . .	69	46	92	69	0.004	0.2
1956-57 . . .	46	184	92	107	0.006	0.3
57-58 . . .	138	196	103	149	0.008	0.4
58-59 . . .	(83)	(89)	(88)	(87)	(0.005)	(0.2)
59-60 . . .	80	46	69	65	0.004	0.2
60-61 . . .	69	80	115	86	0.005	0.2
10 Years' Average	83	89	88	87	0.005	0.2
20 Years' Average	74	75	76	75	0.004	0.2

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATGHAR**

Month **MARCH**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1941-42 . . .	161	966	138	413	0.025	1.1
42-43 . . .	34	11	69	38	0.002	0.1
43-44 . . .	46	89	34	56	0.003	0.1
44-45 . . .	115	57	230	137	0.008	0.4
45-46 . . .	115	57	57	76	0.005	0.2
1946-47 . . .	80	69	23	57	0.004	0.2
47-48 . . .	57	23	46	42	0.003	0.1
48-49 . . .	92	103	69	88	0.005	0.2
49-50 . . .	92	34	103	76	0.005	0.2
50-51 . . .	34	46	34	38	0.002	0.1
10 Years' Average	83	146	80	102	0.006	0.3
1951-52 . . .	23	23	57	34	0.009	0.1
52-53 . . .	34	34	46	38	0.002	0.1
53-54 . . .	34	34	69	46	0.003	0.3
54-55 . . .	149	103	69	107	0.007	0.3
55-56 . . .	149	57	138	115	0.007	0.3
1956-57 . . .	80	80	103	88	0.005	0.2
57-58 . . .	103	115	80	99	0.006	0.3
58-59 . . .	(78)	(71)	(71)	(73)	(0.004)	(0.2)
59-60 . . .	69	23	34	42	0.003	0.1
60-61 . . .	57	172	46	90	0.006	0.2
10 Years' Average	78	71	71	73	0.004	0.2
20 Years' Average	80	108	76	88	0.005	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATCHAR**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42	138	172	241	184	0.011	0.5
42-43	9	92	69	57	0.003	0.1
43-44	80	46	57	61	0.004	0.2
44-45	69	11	23	34	0.002	0.1
45-46	57	34	34	42	0.002	0.1
1946-47	46	23	115	61	0.004	0.2
47-48	46	69	80	65	0.004	0.2
48-49	57	57	46	53	0.003	0.1
49-50	92	11	46	49	0.003	0.1
50-51	57	69	46	57	0.003	0.1
<i>10 Years' Average</i>	<i>65</i>	<i>58</i>	<i>76</i>	<i>66</i>	<i>0.004</i>	<i>0.2</i>
1951-52	11	46	115	57	0.003	0.1
52-53	7	46	46	33	0.002	0.1
53-54	46	92	34	57	0.003	0.1
54-55	80	115	11	69	0.004	0.2
55-56	115	80	11	69	0.004	0.2
1956-57	172	92	241	168	0.010	0.4
57-58	115	80	34	76	0.005	0.2
58-59	(76)	(64)	(56)	(67)	(0.004)	(0.2)
59-60	80	23	11	38	0.002	0.1
60-61	57	Nil	Nil	32	0.002	0.1
<i>10 Years' Average</i>	<i>76</i>	<i>64</i>	<i>56</i>	<i>67</i>	<i>0.004</i>	<i>0.2</i>
20 Years' Average	70	61	66	66	0.004	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 42

River **YELWANDI (NIRA)**

Site **BHATCHAR**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1941-42 . . .	149	253	138	180	0.011	0.5
42-43 . . .	103	23	149	94	0.006	0.3
43-44 . . .	57	207	103	122	0.008	0.3
44-45 . . .	103	265	115	161	0.010	0.4
45-46 . . .	80	23	46	49	0.003	0.1
1946-47 . . .	69	46	11	42	0.003	0.1
47-48 . . .	80	80	11	57	0.004	0.2
48-49 . . .	3	34	11	16	0.001	Nil
49-50 . . .	57	92	34	61	0.004	0.2
50-51 . . .	80	34	115	78	0.005	0.3
<i>10 Years' Average</i>	<i>78</i>	<i>106</i>	<i>73</i>	<i>86</i>	<i>0.005</i>	<i>0.2</i>
1951-52 . . .	103	69	23	65	0.004	0.2
52-53 . . .	34	46	46	42	0.003	0.1
53-54 . . .	103	34	69	69	0.004	0.2
54-55 . . .	34	103	57	65	0.004	0.2
55-56 . . .	69	138	92	100	0.006	0.3
1956-57 . . .	207	103	57	120	0.007	0.3
57-58 . . .	115	92	149	119	0.007	0.3
58-59 . . .	(83)	(79)	(94)	(86)	(0.005)	(0.2)
59-60 . . .	46	80	265	135	0.008	0.4
60-61 . . .	34	46	92	57	0.004	0.2
<i>10 Years' Average</i>	<i>83</i>	<i>79</i>	<i>94</i>	<i>86</i>	<i>0.005</i>	<i>0.2</i>
20 Years' Average	80	92	84	86	0.005	0.2

VOLUME OF ANNUAL FLOW

SERIAL No. 43

River GUNJAWANI (NIRA) Site MOHRI

Year	Volume of flow	
	M. A. F.	T. M. C.
1906	0.305	13.3
07	0.647	28.2
08	0.574	25.0
09	0.503	21.9
10	0.622	27.1
1911	0.177	7.7
12	0.491	21.4
13	0.562	24.5
14	0.719	31.3
15	0.494	21.5
1916	0.292	12.7
17	0.567	24.7
18	0.170	7.4
19	0.549	23.9
20	0.549	23.9
1921	0.468	20.4
1.1.22 to 30.4.22*	0.002	0.1
1922-23	0.663	
23-24	0.482	21.0
24-25	0.468	20.4
25-26	0.420	18.3
20 Years' Average	0.486	21.2

* Not considered for calculating the average.

NOTE :—The figures for the years 1906 to 1919, except the figures for 1915 which are for twelve months, are the volumes of flow for seven months (June to December) only. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	105	Nil	65	57	0.003	0.1
03-04 . . .	191	206	300	231	0.014	0.6
04-05* . . .	3	47	143	65	0.004	0.2
05-06* . . .	Nil	4	395	133	0.008	0.3
1906-07 . . .	163	204	44	137	0.008	0.4
07-08 . . .	78	583	2	221	0.013	0.6
08-09* . . .	N.A.	N.A.	N.A.			
09-10 . . .	Nil	114	154	89	0.005	0.2
10-11 . . .	„	1,125	758	628	0.037	1.6
1911-12 . . .	805	70	4	293	0.017	0.8
12-13 . . .	Nil	7	352	120	0.007	0.3
13-14 . . .	„	24	2,260	760	0.045	2.0
14-15 . . .	85	100	2,029	738	0.044	1.9
15-16 . . .	Nil	352	415	256	0.015	0.7
<i>11 Years' Average</i>	<i>130</i>	<i>253</i>	<i>580</i>	<i>321</i>	<i>0.019</i>	<i>0.8</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	Nil	4	10	4	Nil	Nil
49-50 . . .	165	5	580	250	0.015	0.6
50-51 . . .	382	2	Nil	128	0.008	0.3
1951-52 . . .	1	1	223	75	0.004	0.2
52-53 . . .	951	821	9	594	0.035	1.5
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	(Nil)	8	394	134	0.008	0.3
55-56 . . .	74	181	6	87	0.005	0.2
1956-57 . . .	15	80	193	96	0.006	0.2
57-58 . . .	2	71	1,476	516	0.031	1.3
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	276	78	654	336	0.020	0.9
60-61 . . .						
<i>10 Years' Average</i>	<i>187</i>	<i>125</i>	<i>354</i>	<i>222</i>	<i>0.013</i>	<i>0.6</i>
21 Years' Average	157	192	473	274	0.016	0.7

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1901-02 . . .						
02-03 . . .	386	14	Nil	129	0.008	0.3
03-04 . . .	770	10	6	254	0.016	0.7
04-05* . . .	3	N.A.	N.A.			
05-06* . . .	10	Nil	11	7	Nil	Nil
1906-07 . . .	Nil	30	1	10	0.001	Nil
07-08 . . .	213	834	8	341	0.021	0.9
08-09* . . .	N.A.	N.A.	N.A.			
09-10 . . .	4	Nil	Nil	1	Nil	Nil
10-11 . . .	5	126	1,035	409	0.025	1.1
1911-12 . . .	1,978	138	154	737	0.045	2.0
12-13 . . .	8	Nil	Nil	2	Nil	Nil
13-14 . . .	1,569	908	22	807	0.050	2.2
14-15 . . .	6	1	1	3	Nil	Nil
15-16 . . .	24	951	268	409	0.025	1.1
<i>11 Years' Average</i>	<i>451</i>	<i>274</i>	<i>136</i>	<i>282</i>	<i>0.017</i>	<i>0.8</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	8	9	11	9	0.001	Nil
49-50 . . .	22	11	(Nil)	11	0.001	
50-51 . . .	217	1	1	71	0.004	0.2
1951-52 . . .	270	792	58	363	0.022	1.0
52-53 . . .	62	1	1	21	0.001	0.1
53-54* . . .	N.A.	N.A.	136			
54-55 . . .	11	8	500	184	0.011	0.5
55-56 . . .	2	6	81	31	0.002	0.1
1956-57 . . .	18	105	122	83	0.005	0.2
57-58 . . .	112	22	16	49	0.003	0.1
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	7	4	6	6	Nil	Nil
60-61 . . .						
<i>10 Years' Average</i>	<i>73</i>	<i>96</i>	<i>93</i>	<i>83</i>	<i>0.005</i>	<i>0.2</i>
21 Years' Average	271	189	109	187	0.011	0.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .	Nil	52	53	35	0.002	0.1
02-03 . . .	4	13	9	9	0.001	Nil
03-04 . . .	N.A.	N.A.	N.A.			
04-05* . . .	Nil	3	12	5	Nil	Nil
05-06* . . .						
1906-07 . . .	Nil	507	1,167	578	0.036	1.5
07-08 . . .	5	23	13	14	0.001	Nil
08-09* . . .	N.A.	N.A.	N.A.			
09-10 . . .	Nil	Nil	631	224	0.014	0.6
10-11 . . .	17	6	381	143	0.009	0.4
1911-12 . . .	117	30	29	58	0.004	0.2
12-13 . . .	Nil	Nil	82	29	0.002	0.1
13-14 . . .	5	3	4	4	Nil	Nil
14-15 . . .	2	1,340	7	435	0.027	1.2
15-16 . . .	3	6	20	10	0.001	Nil
<i>11 Years' Average</i>	<i>14</i>	<i>180</i>	<i>218</i>	<i>140</i>	<i>0.009</i>	<i>0.4</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	132	20	12	53	0.003	0.1
49-50 . . .	2	1	138	50	0.003	0.1
50-51 . . .	1	1	57	21	0.001	0.1
1951-52 . . .	13	9	9	10	0.001	Nil
52-53 . . .	1	Nil	Nil	Nil	Nil	"
53-54* . . .	Nil	"	"	"	"	"
54-55 . . .	30	23	11	21	0.001	0.1
55-56 . . .	151	6	67	74	0.005	0.2
1956-57 . . .	242	113	590	324	0.020	0.9
57-58 . . .	2,113	415	473	983	0.060	2.6
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	4	2	300	109	0.007	0.3
60-61 . . .						
<i>10 Years' Average</i>	<i>269</i>	<i>59</i>	<i>166</i>	<i>164</i>	<i>0.010</i>	<i>0.4</i>
<i>21 Years' Average</i>	<i>135</i>	<i>122</i>	<i>193</i>	<i>152</i>	<i>0.009</i>	<i>0.4</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River	SINA (BHIMA)		Site	HATWALAN		Month	SEPTEMBER	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month			
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.		
1901-02								
02-03 . . .	44	285	7	112	0.007	0.3		
03-04 . . .	92	20	360	157	0.009	0.4		
04-05* . . .	750	435	13	249	0.015	0.6		
05-06* . . .	N.A.	N.A.	N.A.					
1906-07 . . .	28	3	129	53	0.003	0.1		
07-08 . . .	44	9	16	23	0.001	0.1		
08-09* . . .	N.A.	N.A.	N.A.					
09-10 . . .	567	17	1,885	825	0.049	2.1		
10-11 . . .	3,142	377	2,660	2,059	0.123	5.3		
1911-12 . . .	30	12	42	28	0.002	0.1		
12-13 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)		
13-14 . . .	3	28	214	81	0.005	0.2		
14-15 . . .	2	2,466	595	1,021	0.061	2.6		
15-16 . . .	296	86	412	265	0.016	0.7		
11 Years' Average	386	300	575	420	0.025	1.1		
1946-47 . . .								
47-48 . . .								
48-49 . . .	19	16	1,372	469	0.028	1.2		
49-50 . . .	2,759	7	1,159	1,308	0.078	3.4		
50-51 . . .	324	1,602	1,383	1,103	0.066	2.9		
1951-52 . . .	120	177	53	116	0.007	0.3		
52-53 . . .	Nil	Nil	271	90	0.005	0.2		
53-54* . . .	143	427	42	209	0.012	0.5		
54-55 . . .	667	297	212	392	0.023	1.0		
55-56 . . .	6	21	1,475	501	0.030	1.3		
1956-57 . . .	458	557	1,079	698	0.042	1.8		
57-58 . . .	201	708	542	484	0.029	1.3		
58-59* . . .	N.A.	N.A.	N.A.					
59-60 . . .	21	16	1,170	402	0.024	1.0		
60-61 . . .								
10 Years' Average	458	340	872	556	0.033	1.4		
21 Years' Average	420	319	716	485	0.029	1.3		

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	4	5	1	3	Nil	Nil
03-04 . . .	1,734	83	39	600	0.037	1.6
04-05* . . .	9	364	44	136	0.008	0.4
05-06* . . .	Nil	49	24	25	0.002	0.1
1906-07 . . .	16	4	1	7	Nil	Nil
07-08 . . .	7	4	2	4	"	"
08-09* . . .	N.A.	N.A.	N.A.			
09-10 . . .	292	71	44	133	0.008	0.4
10-11 . . .	655	336	284	420	0.026	1.1
1911-12 . . .	10	Nil	Nil	3	Nil	Nil
12-13 . . .	133	148	27	57	0.004	0.2
13-14 . . .	5	173	2	58	0.004	0.2
14-15 . . .	90	33	17	46	0.003	0.1
15-16 . . .	655	229	14	290	0.018	0.8
<i>11 Years' Average</i>	<u>327</u>	<u>99</u>	<u>39</u>	<u>147</u>	<u>0.009</u>	<u>0.4</u>
1946-47 . . .						
47-48 . . .						
48-49 . . .	141	145	49	110	0.007	0.3
49-50 . . .	324	684	356	451	0.028	1.2
50-51 . . .	425	146	46	201	0.012	0.5
1951-22 . . .	708	83	29	266	0.016	0.7
52-53 . . .	82	122	101	102	0.006	0.3
53-54* . . .	733	35	5	249	0.015	0.7
54-55 . . .	126	103	102	112	0.007	0.3
55-56 . . .	891	637	1,012	852	0.052	2.3
1956-57 . . .	2,885	817	411	1,340	0.082	3.6
57-58 . . .	430	64	1,193	583	0.036	1.6
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	2,552	710	545	1,246	0.077	3.3
60-61 . . .						
<i>10 Years' Average</i>	<u>856</u>	<u>351</u>	<u>384</u>	<u>526</u>	<u>0.032</u>	<u>1.4</u>
21 Years' Average	579	219	204	328	0.020	0.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	65	9	5	26	0.002	0.1
03-04 . . .	24	18	18	20	0.001	0.1
04-05* . . .	17	6	1	8	Nil	Nil
05-06* . . .	Nil	Nil	Nil	Nil	"	"
1906-07 . . .	3	Nil	Nil	1	Nil	Nil
07-08 . . .	2	"	"	Nil	"	"
08-09* . . .	N.A.	N.A.	N.A.		"	"
09-10 . . .	20	5	Nil	8	Nil	Nil
10-11 . . .	171	205	95	157	0.009	0.4
1911-12 . . .	Nil	Nil	143	48	0.003	0.1
12-13 . . .	"	"	124	41	0.002	0.1
13-14 . . .	"	"	Nil	Nil	Nil	Nil
14-15 . . .	25	9	6	13	0.001	"
15-16 . . .	34	36	28	33	0.002	0.1
<i>11 Years' Average</i>	<i>31</i>	<i>26</i>	<i>38</i>	<i>32</i>	<i>0.002</i>	<i>0.1</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	176	30	663	289	0.017	0.7
49-50 . . .	190	131	90	137	0.008	0.4
50-51 . . .	14	10	7	11	0.001	Nil
1951-52 . . .	16	6	16	13	0.001	Nil
52-53 . . .	3	2	2	2	Nil	"
53-54* . . .	1	1	N.A.			
54-55 . . .	72	63	28	54	0.003	0.1
55-56 . . .	502	136	66	235	0.014	0.6
1956-57 . . .	424	234	242	300	0.018	0.8
57-58 . . .	91	72	44	69	0.004	0.2
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	93	591	46	243	0.014	0.6
60-61 . . .						
<i>10 Years' Average</i>	<i>158</i>	<i>128</i>	<i>120</i>	<i>135</i>	<i>0.008</i>	<i>0.3</i>
21 Years' Average	92	74	77	81	0.005	0.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1901-02 . . .						
02-03 . . .	5	29	4	12	0.001	Nil
03-04 . . .	17	14	8	13	0.001	"
04-05* . . .	Nil	Nil	Nil	Nil	Nil	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	Nil	Nil	87	31	0.002	0.1
07-08 . . .	"	"	Nil	Nil	Nil	Nil
08-09* . . .	N.A.	N.A.	N.A.			
09-10 . . .	Nil	Nil	Nil	Nil	Nil	Nil
10-11 . . .	54	45	42	47	0.003	0.1
1911-12 . . .	37	Nil	Nil	12	0.001	Nil
12-13 . . .	Nil	"	"	Nil	Nil	"
13-14 . . .	29	"	"	9	0.001	"
14-15 . . .	3	2	2	3	Nil	"
15-16 . . .	26	20	418	163	0.010	0.4
<i>11 Years' Average</i>	<i>16</i>	<i>10</i>	<i>51</i>	<i>26</i>	<i>0.002</i>	<i>0.1</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	99	40	23	53	0.003	0.1
49-50 . . .	28	4	5	12	0.001	Nil
50-51 . . .	6	5	5	5	Nil	"
1951-52 . . .	4	3	2	3	Nil	Nil
52-53 . . .	1	Nil	Nil	Nil	"	"
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	(22)	(18)	(15)	(18)	(0.001)	(Nil)
55-56 . . .	53	47	27	41	0.003	0.1
1956-57 . . .	121	69	51	79	0.005	0.2
57-58 . . .	29	22	17	23	0.001	0.1
58-59* . . .	N.A.	N.A.	N.A.			
59-60 . . .	26	18	15	20	0.001	0.1
60-61 . . .						
<i>10 Years' Average</i>	<i>39</i>	<i>23</i>	<i>16</i>	<i>25</i>	<i>0.002</i>	<i>0.1</i>
21 Years' Average	27	16	34	26	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	Nil	Nil	Nil	Nil	Nil	Nil
03-04 . . .	6	6	6	6	"	"
04-05* . . .	Nil	Nil	Nil	Nil	"	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	Nil	Nil	Nil	Nil	Nil	Nil
07-08 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09* . . .	Nil	Nil	Nil	Nil	Nil	Nil
09-10 . . .	"	"	"	"	"	"
10-11 . . .	126	61	31	71	0.004	0.2
1911-12 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13 . . .	"	"	"	"	"	"
13-14 . . .	"	"	"	"	"	"
14-15 . . .	"	"	"	"	"	"
15-16 . . .	"	"	"	"	"	"
<i>11 Years' Average</i>	<u>12</u>	<u>6</u>	<u>3</u>	<u>7</u>	<u>Nil</u>	<u>Nil</u>
1946-47 . . .						
47-48 . . .						
48-49 . . .	52	30	19	33	0.002	0.1
49-50 . . .	(5)	(5)	(5)	(5)	(Nil)	(Nil)
50-51 . . .	4	3	3	3	Nil	Nil
1951-52 . . .	1	1	1	1	Nil	Nil
52-53 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	11	9	8	9	0.001	Nil
55-56 . . .	24	21	21	22	0.001	0.1
1956-57 . . .	34	29	26	29	0.002	0.1
57-58 . . .	12	12	11	11	0.001	Nil
58-59* . . .	13	11	10	11	0.001	"
59-60 . . .	14	14	12	13	0.001	"
60-61 . . .						
<i>10 Years' Average</i>	<u>16</u>	<u>12</u>	<u>11</u>	<u>13</u>	<u>0.001</u>	<u>Nil</u>
<i>21 Years' Average</i>	<u>14</u>	<u>9</u>	<u>7</u>	<u>10</u>	<u>0.001</u>	<u>Nil</u>

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1901-02 . . .	Nil	Nil	Nil	Nil	Nil	Nil
02-03 . . .	6	5	4	5	"	"
03-04 . . .	Nil	Nil	Nil	Nil	"	"
04-05* . . .	"	"	"	"	"	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	Nil	Nil	Nil	Nil	Nil	Nil
07-08 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09* . . .	Nil	Nil	Nil	Nil	Nil	Nil
09-10 . . .	"	"	"	"	"	"
10-11 . . .	27	22	20	23	0.001	0.1
1911-12 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13 . . .	"	"	"	"	"	"
13-14 . . .	"	"	"	"	"	"
14-15 . . .	"	"	"	"	"	"
15-16 . . .	"	"	"	"	"	"
11 Years' Average	3	2	2	3	Nil	Nil
1946-47 . . .						
47-48 . . .						
48-49 . . .	19	20	15	18	0.001	Nil
49-50 . . .	5	5	4	5	Nil	"
50-51 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54* . . .	N.A.	N.A.	N.A.			
54-55 . . .	8	8	8	8	Nil	Nil
55-56 . . .	14	11	8	11	0.001	"
1956-57 . . .	23	18	16	19	0.001	Nil
57-58 . . .	(10)	(10)	(10)	(10)	(0.001)	(Nil)
58-59* . . .	9	8	5	8	Nil	Nil
59-60 . . .	11	9	7	9	0.001	"
60-61 . . .						
10 Years' Average	9	8	7	8	0.001	Nil
21 Years' Average	6	5	4	5	Nil	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	Nil	Nil	Nil	Nil	Nil	Nil
03-04 . . .	"	"	"	"	"	"
04-05* . . .	"	"	"	"	"	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	Nil	Nil	Nil	Nil	Nil	Nil
07-08 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09* . . .	Nil	Nil	Nil	Nil	Nil	Nil
09-10 . . .	"	"	"	"	"	"
10-11 . . .	19	16	14	16	0.001	"
1911-12 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13 . . .	"	"	"	"	"	"
13-14 . . .	"	"	"	"	"	"
14-15 . . .	"	"	"	"	"	"
15-16 . . .	"	"	"	"	"	"
<i>11 Years' Average</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>Nil</i>	<i>Nil</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	10	9	7	9	0.001	Nil
49-50 . . .	4	3	3	3	Nil	
50-51 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
52-53 . . .	"	"	"	"	"	"
53-54* . . .	N.A.	N.A.	N.A.	"	"	"
54-55 . . .	7	7	6	7	Nil	Nil
55-56 . . .	6	5	3	5	"	"
1956-57 . . .	12	10	9	10	0.001	Nil
57-58 . . .	8	6	4	6	Nil	"
58-59* . . .	4	4	3	4	"	"
59-60 . . .	12	5	3	6	"	"
60-61 . . .						
<i>10 Years' Average</i>	<i>6</i>	<i>4</i>	<i>4</i>	<i>5</i>	<i>Nil</i>	<i>Nil</i>
<i>21 Years' Average</i>	<i>4</i>	<i>3</i>	<i>2</i>	<i>3</i>	<i>Nil</i>	<i>Nil</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	Nil	Nil	Nil	Nil	Nil	Nil
03-04 . . .	"	"	"	"	"	"
04-05* . . .	"	"	"	"	"	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	Nil	Nil	Nil	Nil	Nil	Nil
07-08 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09* . . .	Nil	Nil	Nil	Nil	Nil	Nil
09-10 . . .	"	"	"	"	"	"
10-11 . . .	12	9	2	7	"	"
1911-12 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13 . . .	"	"	"	"	"	"
13-14 . . .	"	"	"	"	"	"
14-15 . . .	"	"	"	"	"	"
15-16 . . .	"	"	"	"	"	"
<i>11 Years' Average</i>	<i>1</i>	<i>1</i>	<i>Nil</i>	<i>1</i>	<i>Nil</i>	<i>Nil</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	4	4	2	3	Nil	Nil
49-50 . . .	4	3	2	3	"	"
50-51 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Ni)	(Nil)	(Nil)
52-53 . . .	"	"	"	"	"	"
53-54* . . .	N.A.	N.A.	N.A.	"	"	"
54-55 . . .	6	5	3	5	Nil	Nil
55-56 . . .	3	5	4	4	"	"
1956-57 . . .	63	12	7	27	0.002	0.1
57-58 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59* . . .	2	3	1	2	Nil	Nil
59-60 . . .	2	2	1	2	"	"
60-61 . . .						
<i>10 Years' Average</i>	<i>8</i>	<i>3</i>	<i>2</i>	<i>4</i>	<i>Nil</i>	<i>Nil</i>
<i>21 Years' Average</i>	<i>4</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>Nil</i>	<i>Nil</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 44

River **SINA (BHIMA)**

Site **HATWALAN**

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1901-02 . . .						
02-03 . . .	Nil	Nil	Nil	Nil	Nil	Nil
03-04 . . .	"	"	"	"	"	"
04-05* . . .	"	"	"	"	"	"
05-06* . . .	"	"	"	"	"	"
1906-07 . . .	1	Nil	Nil	Nil	Nil	Nil
07-08 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09* . . .	Nil	Nil	Nil	Nil	Nil	Nil
09-10 . . .	"	"	"	"	"	"
10-11 . . .	1	"	5	2	"	"
1911-12 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13 . . .	"	"	"	"	"	"
13-14 . . .	"	"	"	"	"	"
14-15 . . .	"	"	"	"	"	"
15-16 . . .	"	"	"	"	"	"
<i>11 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1946-47 . . .						
47-48 . . .						
48-49 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
49-50 . . .	1	Nil	4	2	Nil	Nil
50-51 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1951-52 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
52-53 . . .	"	"	"	"	"	"
53-54* . . .	N.A.	N.A.	N.A.	"	"	"
54-55 . . .	2	1	1	1	Nil	Nil
55-56 . . .	383	7	534	315	0.019	0.8
1956-57 . . .	4	2	10	6	Nil	Nil
57-58 . . .	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59* . . .	1	1	5	2	Nil	Nil
59-60 . . .	1	8	10	7	"	"
60-61 . . .						
<i>10 Years' Average</i>	<i>39</i>	<i>2</i>	<i>56</i>	<i>33</i>	<i>0.002</i>	<i>0.1</i>
<i>21 Years' Average</i>	<i>19</i>	<i>1</i>	<i>27</i>	<i>16</i>	<i>0.001</i>	<i>Nil</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 45

River **SINA (BHIMA)**

Site **WADAKBAL**

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .						
52-53 . . .	(5)	5	4	5	Nil	Nil
53-54 . . .	9	8	9	9	0.001	„
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58* . . .	105	99	93	99	0.006	0.3
58-59 . . .	(139)	(139)	139	139	0.009	0.4
59-60 . . .	96	150	128	125	0.008	0.3
60-61 . . .	(62)	(76)	(70)	(70)	(0.004)	(0.2)
5 Years' Average	62	76	70	70	0.004	0.2

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .						
52-53 . . .	5	5	5	5	Nil	Nil
53-54 . . .	8	7	7	7	„	„
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58* . . .	100	96	98	98	0.005	0.2
58-59 . . .	126	127	125	126	0.007	0.3
59-60 . . .	114	118	109	114	0.007	0.3
60-61 . . .	52	70	60	60	0.003	0.1
5 Years' Average	61	65	61	62	0.003	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 45

River **SINA (BHIMA)**

Site **WADAKBAL**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
1951-52* . . .	2	2	2	2	Nil	Nil
52-53 . . .	6	5	5	5	„	„
53-54 . . .	6	6	6	6	„	„
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58* . . .	97	101	92	96	0.006	0.3
58-59 . . .	126	125	128	126	0.008	0.3
59-60 . . .	102	97	90	96	0.006	0.3
60-61 . . .	57	59	41	52	0.003	0.1
5 Years' Average	59	58	54	57	0.003	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 45

River **SINA (BHIMA)**

Site **WADAKBAL**

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	31	26	17	25	0.001	0.1
50-51 . . .						
1951-52* . . .	2	3	2	2	Nil	Nil
52-53 . . .	4	6	5	5	„	„
53-54 . . .	6	5	6	6	„	„
54-55 . . .						
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	123	120	126	123	0.007	0.3
59-60 . . .	92	88	89	90	0.005	0.2
60-61 . . .	56	38	38	44	0.003	0.1
5 Years' Average	56	51	53	54	0.003	0.1

* Not considered for calculating the average.

(45.3)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 45

River SINA (BHIMA)

Site WADAKBAL

Month MAY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1949-50* . . .	13	8	3	8	Nil	Nil
50-51 . . .						
1951-52* . . .	2	2	1	2	Nil	Nil
52-53 . . .	4	4	4	4	„	„
53-54 . . .	(4)	(4)	(4)	(4)	(Nil)	(Nil)
54-55 . . .						
55-56 . . .						
1956-57* . . .	127	98	97	107	0.007	0.3
57-58 . . .						
58-59 . . .	122	122	Nil	79	0.005	0.2
59-60 . . .	83	41	77	68	0.004	0.2
60-61 . . .	54	31	57	48	0.003	0.1
5 Years' Average	53	40	28	41	0.002	0.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)** *Site* **EKRUK TANK** *Month* **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	Nil	38	Nil	13	0.001	Nil
45-46 . . .	„	Nil	52	17	0.001	„
1946-47 . . .	39	104	Nil	48	0.003	0.1
47-48 . . .	5		201	70	0.004	0.2
48-49 . . .	Nil	Nil	Nil	Nil	Nil	Nil
49-50 . . .	„	116	672	262	0.016	0.7
50-51 . . .	133	Nil	12	48	0.003	0.1
<i>7 Years' Average</i>	25	37	134	65	0.004	0.2
1951-52 . . .	Nil	Nil	541	180	0.011	0.5
52-53 . . .	383	4	Nil	129	0.008	0.3
53-54 . . .	Nil	439	„	146	0.009	0.4
54-55 . . .	330	124	124	193	0.011	0.5
55-56 . . .	Nil	118	26	48	0.003	0.1
1956-57 . . .	Nil	44	25	23	0.001	0.1
57-58 . . .	„	Nil	252	84	0.005	0.2
58-59 . . .	„	„	Nil	Nil	Nil	Nil
59-60 . . .	240	6	„	82	0.005	0.2
60-61 . . .	85	13	10	36	0.002	0.1
<i>10 Years' Average</i>	104	75	98	92	0.005	0.2
<i>17 Years' Average</i>	71	59	113	81	0.005	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)**

Site **EKRUK TANK**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	183	109	57	114	0.006	0.2
45-46 . . .	Nil	Nil	158	56	0.003	0.1
1946-47 . . .	2	2	8	4	Nil	Nil
47-48 . . .	24	51	12	29	0.002	0.1
48-49 . . .	Nil	1	36	13	0.001	Nil
49-50 . . .	197	78	299	195	0.012	0.5
50-51 . . .	Nil	Nil	14	5	Nil	Nil
<i>7 Years' Average</i>	<i>58</i>	<i>25</i>	<i>83</i>	<i>56</i>	<i>0.003</i>	<i>0.1</i>
1951-52 . . .	Nil	974	Nil	314	0.019	0.8
52-53 . . .	„	439	15	147	0.009	0.4
53-54 . . .	9	103	5,346	1,933	0.119	5.2
54-55 . . .	113	705	3,448	1,487	0.091	4.0
55-56 . . .	125	Nil	652	272	0.017	0.7
1956-57 . . .	11	165	2,810	1,054	0.065	2.8
57-58 . . .	12	Nil	194	73	0.004	0.2
58-59 . . .	Nil	49	Nil	16	0.001	Nil
59-60 . . .	13	16	1	10	0.001	„
60-61 . . .	Nil	Nil	45	16	0.001	„
<i>10 Years' Average</i>	<i>28</i>	<i>245</i>	<i>1,251</i>	<i>532</i>	<i>0.033</i>	<i>1.4</i>
17 Years' Average	41	155	770	336	0.021	0.9

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 46

River EKRUK NAILA (SINA)		Site EKRUK TANK			Month AUGUST	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.
1944-45	4	Nil	Nil	1	Nil	Nil
45-46	168	101	26	96	0.006	0.3
1946-47	16	36	76	44	0.003	0.1
47-48	103	394	511	341	0.021	0.9
48-49	1,115	280	27	460	0.028	1.2
49-50	298	163	58	169	0.010	0.5
50-51	Nil	Nil	35	13	0.001	Nil
7 Years' Average	243	139	105	161	0.010	0.4
1951-52	642	142	163	311	0.019	0.8
52-53	9	1	Nil	3	Nil	Nil
53-54	1,064	299	58	460	0.028	1.2
54-55	1,064	459	163	549	0.034	1.5
55-56	1,309	547	1,683	1,196	0.074	3.2
1956-57	741	58	106	295	0.018	0.8
57-58	251	505	110	283	0.017	0.8
58-59	29	1,701	1,548	1,107	0.068	3.0
59-60	11	Nil	535	194	0.012	0.5
60-61	Nil	„	Nil	Nil	Nil	Nil
10 Years' Average	512	371	437	440	0.027	1.2
17 Years' Average	401	276	300	325	0.020	0.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)**

Site **EKRUK TANK**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	Nil	112	45	52	0.003	0.1
45-46 . . .	162	7	Nil	56	0.003	0.1
1946-47 . . .	120	13	18	50	0.003	0.1
47-48 . . .	1	104	355	153	0.009	0.4
48-49 . . .	28	118	1,277	473	0.028	1.2
49-50 . . .	1,425	459	8,715	3,533	0.210	9.2
50-51 . . .	423	401	486	438	0.026	1.1
<i>7 Years' Average</i>	<i>308</i>	<i>175</i>	<i>1,555</i>	<i>680</i>	<i>0.040</i>	<i>1.8</i>
1951-52 . . .	299	150	299	250	0.015	0.6
52-53 . . .	Nil	9	470	160	0.009	0.4
53-54 . . .	1,098	1,302	952	1,117	0.066	2.9
54-55 . . .	1,180	377	1,064	874	0.052	2.3
55-56 . . .	105	105	377	196	0.012	0.5
1956-57 . . .	1,302	163	741	735	0.044	1.9
57-58 . . .	258	846	58	387	0.023	1.0
58-59 . . .	1,302	163	58	508	0.030	1.3
59-60 . . .	738	246	278	421	0.025	1.1
60-61 . . .	80	734	510	441	0.026	1.1
<i>10 Years' Average</i>	<i>636</i>	<i>410</i>	<i>481</i>	<i>509</i>	<i>0.030</i>	<i>1.3</i>
17 Years' Average	501	313	923	579	0.034	1.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)** *Site* **EKRUK TANK** *Month* **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	3	4	182	61	0.005	0.2
45-46 . . .	Nil	2	2	1	Nil	Nil
1946-47 . . .	33	Nil	Nil	11	0.001	Nil
47-48 . . .	45	62	12	39	0.002	0.1
48-49 . . .	1,546	841	364	899	0.055	2.4
49-50 . . .	710	377	459	514	0.032	1.4
50-51 . . .	655	377	298	439	0.027	1.2
<i>7 Years' Average</i>	429	237	191	283	0.017	0.8
1951-52 . . .	952	163	58	380	0.023	1.0
52-53 . . .	39	7	Nil	15	0.001	Nil
53-54 . . .	2,390	1,300	1,543	1,738	0.107	4.7
54-55 . . .	841	341	341	502	0.031	1.3
55-56 . . .	299	58	20	122	0.008	0.3
1956-57 . . .	1,064	1,064	105	724	0.045	1.9
57-58 . . .	163	Nil	377	187	0.011	0.5
58-59 . . .	58	105	58	73	0.004	0.2
59-60 . . .	846	163	299	432	0.027	1.2
60-61 . . .	29	12	Nil	13	0.001	Nil
<i>10 Years' Average</i>	668.	321	280	419	0.026	1.1
<i>17 Years' Average</i>	570	287	243	363	0.022	1.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)** *Site* **EKRUK TANK** *Month* **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	46	Nil	Nil	4	Nil	Nil*
45-46 . . .	Nil	„	„	Nil	„	„
1946-47 . . .	10	10	Nil	7	Nil	Nil
47-48 . . .	Nil	40	„	13	0.001	„
48-49 . . .	135	547	741	474	0.028	1.2
49-50 . . .	58	Nil	Nil	19	0.001	Nil
50-51 . . .	20	„	„	7	Nil	„
<i>7 Years' Average</i>	33	85	106	75	0.004	0.2
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	„	„	„	„	„	„
53-54 . . .	228	57	„	95	0.006	0.2
54-55 . . .	120	Nil	„	40	0.002	0.1
55-56 . . .	20	„	„	7	Nil	Nil
1956-57 . . .	163	20	Nil	61	0.004	0.2
57-58 . . .	58	Nil	„	19	0.001	Nil
58-59 . . .	58	„	„	19	0.001	„
59-60 . . .	120	120	„	80	0.005	0.2
60-61 . . .	Nil	Nil	„	Nil	Nil	Nil
<i>10 Years' Average</i>	77	20	Nil	32	0.002	0.1
<i>17 Years' Average</i>	59	47	44	50	0.003	0.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)** *Site* **EKRUK TANK** *Month* **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1944-45 . . .	4	4	8	5	Nil	Nil
45-46 . . .	Nil	Nil	Nil	Nil	„	„
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48 . . .	„	„	„	„	„	„
48-49 . . .	299	105	„	130	0.008	0.3
49-50 . . .	Nil	Nil	„	Nil	Nil	Nil
50-51 . . .	„	„	„	„	„	„
<i>7 Years' Average</i>	<i>43</i>	<i>15</i>	<i>Nil</i>	<i>19</i>	<i>0.001</i>	<i>0.1</i>
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53 . . .	„	„	„	„	„	„
53-54 . . .	„	„	„	„	„	„
54-55 . . .	„	„	„	„	„	„
55-56 . . .	„	„	„	„	„	„
1956-57 . . .	Nil	Nil	Nil	Nil	Nil	Nil
57-58 . . .	„	„	„	„	„	„
58-59 . . .	„	„	„	„	„	„
59-60 . . .	„	„	„	„	„	„
60-61 . . .	„	„	„	„	„	„
<i>10 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
<i>17 Years' Average</i>	<i>18</i>	<i>6</i>	<i>Nil</i>	<i>8</i>	<i>Nil</i>	<i>Nil</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)** *Site* **EKRUK TANK** *Month* **JANUARY TO APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-End</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1944-45 . . .	Nil	Nil	Nil	Nil	Nil	Nil
45-46 . . .	"	"	"	"	"	"
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48	"	"	"	"	"	"
48-49 . . .	"	"	"	"	"	"
49-50 . . .	"	"	"	"	"	"
50-51 . . .	"	"	"	"	"	"
<i>7 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
1951-52 . . .	Nil	Nil	Nil	Nil	Nil	Nil
52-53	"	"	"	"	"	"
53-54 . . .	"	"	"	"	"	"
54-55 . . .	"	"	"	"	"	"
55-56 . . .	"	"	"	"	"	"
1956-57 . . .	Nil	Nil	Nil	Nil	Nil	Nil
57-58 . . .	"	"	"	"	"	"
58-59 . . .	"	"	"	"	"	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
<i>10 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
<i>17 Years' Average</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 46

River **EKRUK NALLA (SINA)**

Site **EKRUK TANK**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>1-20</i>	<i>21-31</i>	<i>Whole Month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1943-44* . . .	Nil	Nil	Nil	Nil	Nil	Nil
44-45 . . .	"	"	"	"	"	"
45-46 . . .	"	"	46	16	0.001	"
1946-47 . . .	5	Nil	Nil	2	Nil	Nil
47-48 . . .	Nil	"	"	Nil	"	"
48-49 . . .	"	14	"	5	"	"
49-50 . . .	"	Nil	"	Nil	"	"
50-51 . . .	"	"	"	"	"	"
7 Years' Average	1	2	7	3	Nil	Nil
1951-52 . . .	Nil	Nil	285	101	0.006	0.3
52-53 . . .	"	"	Nil	Nil	Nil	Nil
53-54 . . .	"	"	"	"	"	"
54-55 . . .	"	"	101	36	0.002	0.1
55-56 . . .	"	20	88	38	0.002	0.1
1956-57 . . .	Nil	Nil	Nil	Nil	Nil	Nil
57-58 . . .	"	41	"	14	0.001	"
58-59 . . .	"	Nil	"	Nil	Nil	"
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	52	43	32	0.002	0.1
10 Years' Average	Nil	11	52	21	0.001	0.1
17 Years' Average	Nil	7	33	14	0.001	Nil

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 47

River **TUNGABHADRA**

Site **HALLUR**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. C. M.</i>
1951-52 . . .	809	6,669	8,993	5,490	0.327	14.2
52-53 . . .	290	901	8,773	3,321	0.198	8.6
53-54 . . .	82	102	6,400	2,195	0.131	5.7
54-55 . . .	7,196	8,278	5,902	7,125	0.424	18.5
4 Years' Average	2,094	3.988	7,517	4.533	0.270	11.8

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	3,067	5,872	34,061	14,970	0.920	40.1
52-53 . . .	7,788	5,259	22,685	12,258	0.754	32.8
53-54 . . .	65,497	11,805	17,326	31,084	1.911	83.3
54-55 . . .	31,119	45,443	13,979	29,658	1.824	79.4
4 Years' Average	26.868	17.095	22.013	21,992	1.352	58.9

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	21,588	12,457	11,852	15,188	0.934	40.7
52-53 . . .	21,675	22,590	22,726	22,330	1.373	59.8
53-54 . . .	45,383	62,902	15,704	40,502	2.490	108.5
54-55 . . .	50,218	27,223	9,625	28,397	1.746	76.1
4 Years' Average	34,716	31.293	14.977	26,604	1.636	71.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 47

River **TUNGABHADRA**

Site **HALLUR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1951-52 . . .	3,246	2,978	4,540	3,588	0.214	9.3
52-53 . . .	5,214	2,178	1,696	3,030	0.180	7.9
53-54 . . .	6,628	4,952	3,322	4,967	0.296	12.9
54-55 . . .	12,476	6,268	8,977	8,940	0.532	23.2
4 Years' Average	6,891	4,094	4,409	5.131	0.305	13.3

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1951-52 . . .	9,468	3,569	1,649	4,790	0.295	12.8
52-53 . . .	6,054	9,733	2,695	6,049	0.372	16.2
53-54 . . .	4,837	8,215	7,798	6,977	0.429	18.7
54-55 . . .	4,886	2,587	3,651	3,706	0.228	9.9
4 Years' Average	6,311	6,026	3,948	5,380	0.331	1.44

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	1,217	804	1,263	1,095	0.065	2.8
52-53 . . .	1,619	1,171	941	1,244	0.074	3.2
53-54 . . .	4,369	1,668	1,029	2,355	0.140	6.1
54-55 . . .	1,352	936	793	1,027	0.061	2.7
4 Years' Average	2,139	1.145	1,006	1.430	0.085	3.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 47

River **TUNGABHADRA**

Site **HALLUR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	21-31	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	730	513	368	532	0.033	1.4
52-53 . . .	890	1,071	780	913	0.056	2.4
53-54 . . .	973	666	456	690	0.042	1.8
54-55 . . .	639	733	622	664	0.041	1.8
4 Years' Average	808	746	556	700	0.043	1.8

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	21-31	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	1,046	826	712	857	0.053	2.3
1951-52 . . .	372	278	267	304	0.019	0.8
52-53 . . .	655	551	489	563	0.035	1.5
53-54 . . .	299	300	312	304	0.019	0.8
54-55 . . .	398	323	229	315	0.019	0.8
4 Years' Average	431	364	324	372	0.023	1.0

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	21-28/29	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	613	521	424	526	0.029	1.3
1951-52 . . .	370	383	282	348	0.020	0.9
52-53 . . .	418	291	231	319	0.018	0.8
53-54 . . .	591	846	185	840	0.047	2.0
54-55 . . .	1,094	1,038	670	953	0.053	2.3
4 Years' Average	618	640	592	615	0.034	1.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 47

River **TUNGABHADRA**

Site **HALLUR**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	287	225	290	268	0.016	0.7
1951-52 . . .	300	200	229	242	0.015	0.6
52-53 . . .	171	122	144	135	0.008	0.4
53-54 . . .	1,120	650	775	846	0.052	2.3
54-55 . . .	707	573	524	599	0.037	1.6
4 Years' Average	574	386	410	456	0.028	1.2

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	215	220	291	242	0.014	0.6
1951-52 . . .	285	209	258	251	0.015	0.7
52-53 . . .	160	120	65	115	0.007	0.3
53-54 . . .	689	861	956	835	0.050	2.2
54-55 . . .	614	1,051	1,187	951	0.057	2.5
4 Years' Average	437	560	616	538	0.032	1.4

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	298	485	425	404	0.025	1.1
1951-52 . . .	385	311	193	293	0.018	0.8
52-53 . . .	160	120	71	116	0.007	0.3
53-54 . . .	1,009	1,015	1,210	1,082	0.067	2.9
54-55 . . .	812	791	(750)	783	0.048	2.1
4 Years' Average	592	559	556	568	0.035	1.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 48

River **TUNGABHADRA**

Site **HARIHAR**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	3,607	9,432	16,761	9,933	0.591	25.7
52-53 . . .	297	1,084	9,868	3,750	0.223	9.7
53-54 . . .	126	141	11,391	3,886	0.231	10.1
54-55 . . .	8,127	14,154	8,428	10,266	0.611	26.6
55-56* . . .	2,297	5,566	23,652	10,505	0.625	27.2
4 Years' Average	5,744	6,203	11,612	6,959	0.414	18.0

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	10,148	9,030	50,876	24,239	1.490	64.9
52-53 . . .	10,289	8,460	26,664	15,509	0.954	41.5
53-54 . . .	108,988	27,067	30,144	54,691	3.363	146.5
54-55 . . .	35,385	50,192	14,889	33,489	2.059	89.7
55-56* . . .	31,650	15,763	13,761	20,177	1.241	54.0
4 Years' Average	41,202	23,687	30,718	31,982	1.966	85.6

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	28,473	22,763	17,651	22,791	1.401	61.0
52-53 . . .	29,999	27,455	26,787	28,039	1.724	75.1
53-54 . . .	73,210	91,377	30,069	63,762	3.921	170.8
54-55 . . .	51,144	35,345	11,696	33,018	2.030	88.4
55-56* . . .	27,963	16,806	24,887	23,273	1.431	62.3
4 Years' Average	46,456	44,235	21,551	36,902	2.269	98.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 49

River **TUNGABHADRA**

Site **HAVANUR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	6,763	6,047	9,853	7,554	0.449	19.6
52-53 . . .	6,998	3,549	2,911	4,486	0.267	11.6
53-54 . . .	11,669	8,691	6,790	9,050	0.539	23.5
54-55 . . .	13,874	7,370	7,691	9,645	0.574	25.0
55-56* . . .	29,766	17,352	26,701	24,606	1.464	63.8
4 Years' Average	9,826	6,414	6,811	7,684	0.457	19.9

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	15,614	7,180	3,574	8,621	0.530	23.1
52-53 . . .	10,062	13,962	4,326	9,284	0.571	24.9
53-54 . . .	9,542	12,408	17,071	13,138	0.808	35.2
54-55 . . .	6,165	6,498	7,292	6,672	0.410	17.9
55-56* . . .	23,023	10,941	23,069	18,868	1.160	50.5
4 Years' Average	10,346	10,012	8,066	9,429	0.580	25.3

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	5,765	3,844	2,439	4,016	0.239	10.4
1951-52 . . .	2,844	2,093	2,598	2,512	0.149	6.5
52-53 . . .	2,296	1,701	1,377	1,774	0.106	4.6
53-54 . . .	11,079	3,910	2,885	5,958	0.355	15.4
54-55 . . .	3,963	2,895	2,597	3,152	0.188	8.2
4 Years' Average	5,046	2,650	2,364	3,349	0.200	8.7

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 48

River **TUNGABHADRA**

Site **HARIHAR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	21-31	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	1,648	1,296	1,241	1,390	0.085	3.7
1951-52 . . .	1,612	1,294	1,196	1,365	0.084	3.7
52-53 . . .	1,206	1,621	1,148	1,336	0.082	3.6
53-54 . . .	2,559	1,940	1,600	2,019	0.124	5.4
54-55 . . .	2,073	1,897	2,004	1,992	0.122	5.3
4 Years' Average	1,862	1,688	1,487	1,678	0.103	4.5

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	21-31	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	1,086	1,026	803	966	0.059	2.6
1951-52 . . .	781	531	377	557	0.034	1.5
52-53 . . .	868	758	607	740	0.046	2.0
53-54 . . .	1,352	1,405	1,472	1,409	0.087	3.8
54-55 . . .	1,671	1,311	1,097	1,351	0.083	3.6
4 Years' Average	1,168	1,001	888	1,014	0.062	2.7

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	1-10	11-20	2-28/29	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	701	684	538	648	0.036	1.6
1951-52 . . .	345	458	429	410	0.024	1.0
52-53 . . .	465	304	257	348	0.019	0.8
53-54 . . .	622	604	610	612	0.034	1.5
54-55 . . .	628	622	354	548	0.030	1.3
4 Years' Average	515	497	412	480	0.027	1.2

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 48

River **TUNGABHADRA**

Site **HARIHAR**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51*	364	252	275	296	0.018	0.8
1951-52	341	285	201	274	0.017	0.7
52-53	195	166	116	157	0.010	0.4
53-54	449	303	424	393	0.024	1.1
54-55	397	337	357	363	0.022	1.0
4 Years' Average	346	273	274	297	0.018	0.8

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51*	166	328	381	292	0.017	0.8
1951-52	148	108	285	181	0.011	0.5
52-53	149	452	487	363	0.022	0.9
53-54	366	519	540	475	0.028	1.2
54-55	376	574	898	616	0.037	1.6
4 Years' Average	260	413	552	409	0.024	1.0

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51*	355	591	308	418	0.026	1.1
1951-52	501	319	236	348	0.021	0.9
52-53	215	120	92	141	0.009	0.4
53-54	711	544	626	627	0.039	1.7
54-55	649	2,249	22,578	8,946	0.550	24.0
4 Years' Average	519	808	5,883	2,516	0.155	6.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 49

River **TUNGABHADRA**

Site **HAVANUR**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	4,100	10,760	15,278	10,046	0.598	26.0
52-53 . . .	354	1,639	11,087	4,360	0.259	11.3
53-54 . . .	188	384	12,104	4,226	0.251	11.0
54-55 . . .	8,533	18,391	11,937	12,954	0.771	33.6
55-56* . . .	2,630	5,030	20,500	9,386	0.559	24.3
4 Years' Average	3,294	7,794	12,602	7,896	0.470	20.5

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	9,555	10,142	58,513	27,117	1.667	72.6
52-53 . . .	13,716	8,985	31,779	18,599	1.144	49.8
53-54 . . .	106,460	26,983	23,906	51,529	3.168	138.0
54-55 . . .	41,110	68,110	23,739	43,656	2.684	116.9
55-56* . . .	32,430	13,984	12,005	19,232	1.183	51.5
4 Years' Average	42,710	28,555	34,484	35,225	2.166	94.3

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	32,193	26,817	19,068	25,802	1.587	69.1
52-53 . . .	33,178	31,110	29,557	31,226	1.920	83.6
53-54 . . .	67,477	100,553	30,186	64,915	3.991	173.9
54-55 . . .	71,479	43,879	16,009	42,893	2.637	114.9
55-56* . . .	26,339	17,046	23,860	22,462	1.381	60.2
4 Years' Average	51,082	50,590	23,705	41,209	2.534	110.4

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 49

River **TUNGABHADRA**

Site **HAVANUR**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	5,780	4,680	6,792	5,750	0.342	14.9
52-53 . . .	7,840	3,960	3,058	4,953	0.295	12.8
53-54 . . .	11,381	8,816	7,426	9,208	0.548	23.9
54-55 . . .	18,258	10,454	10,191	12,967	0.772	33.6
55-56* . . .	27,809	15,593	20,774	21,392	1.273	55.4
4 Years' Average	10,815	6,978	6,867	8,220	0.489	21.3

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	17,221	6,796	2,941	8,791	0.541	23.5
52-53 . . .	9,620	26,812	5,253	13,616	0.837	36.5
53-54 . . .	10,092	14,078	17,361	13,956	0.858	37.4
54-55 . . .	8,104	4,425	5,948	6,152	0.378	16.5
55-56* . . .	21,547	8,323	16,805	15,599	0.959	41.8
4 Years' Average	11,259	13,028	7,876	10,629	0.654	28.5

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	4,833	3,373	2,875	3,694	0.220	9.6
1951-52 . . .	2,008	1,406	2,086	1,833	0.109	4.8
52-53 . . .	2,594	1,739	1,480	1,937	0.115	5.0
53-54 . . .	12,539	4,718	3,340	6,866	0.409	17.8
54-55 . . .	3,316	1,984	1,833	2,378	0.142	6.2
4 Years' Average	5,114	2,462	2,185	3,254	0.194	8.4

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 49

River **TUNGABHADRA**

Site **HAVANUR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	2,695	2,253	1,709	2,203	0.135	5.9
1951-52 . . .	1,451	1,253	1,088	1,252	0.077	3.4
52-53 . . .	1,322	1,861	1,281	1,481	0.091	4.0
53-54 . . .	3,390	2,764	2,529	2,883	0.177	7.7
54-55 . . .	1,738	1,7	1,586	1,675	0.103	4.5
4 Years' Average	1,975	1,892	1,621	1,823	0.112	4.9

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	1,310	1,085	982	1,121	0.069	3.0
1951-52 . . .	1,045	847	652	841	0.052	2.3
52-53 . . .	956	858	682	827	0.051	2.2
53-54 . . .	2,162	1,983	1,706	1,942	0.119	5.2
54-55 . . .	1,343	1,150	1,119	1,201	0.074	3.2
4 Years' Average	1,376	1,210	1,040	1,203	0.074	3.2

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	883	598	536	682	0.038	1.6
1951-52 . . .	733	677	623	680	0.039	1.7
52-53 . . .	506	320	263	370	0.021	0.9
53-54 . . .	1,245	1,233	1,315	1,261	0.070	3.1
54-55 . . .	1,105	1,016	766	976	0.054	2.4
4 Years' Average	897	812	742	822	0.046	2.0

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 49

River TUNGABHADRA

Site HAVANUR

Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1950-51* . . .	420	334	256	334	0.021	0.9
1951-52 . . .	560	413	311	424	0.026	1.1
52-53 . . .	230	199	129	184	0.011	0.5
53-54 . . .	938	282	399	535	0.033	1.4
54-55 . . .	655	516	404	519	0.032	1.4
4 Years' Average	596	351	311	416	0.026	1.1

Month APRIL

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1950-51* . . .	283	580	290	384	0.023	1.0
1951-52 . . .	210	139	1,461	603	0.036	1.6
52-53 . . .	219	294	455	323	0.019	0.8
53-54 . . .	403	420	460	428	0.025	1.1
54-55 . . .	381	750	1,277	803	0.048	2.1
4 Years' Average	303	401	913	539	0.032	1.4

Month MAY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1950-51* . . .	478	1,365	1,459	1,112	0.068	3.0
1951-52 . . .	2,365	3,241	719	2,063	0.127	5.5
52-53 . . .	478	137	110	237	0.015	0.6
53-54 . . .	838	594	1,275	914	0.056	2.4
54-55 . . .	1,040	2,061	22,379	8,941	0.550	23.9
4 Years' Average	1,180	1,508	6,121	3,039	0.187	8.1

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 50

River **TUNGABHADRA**

Site **HESRUR**

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	4,883	16,606	28,218	16,569	0.986	42.9
52-53 . . .	7,223	904	9,084	5,737	0.341	14.9
53-54 . . .	361	555	16,704	5,874	0.350	15.2
54-55* . . .	4,410	22,685	14,788	13,961	0.831	36.2
3 Years' Average	4,156	6,022	18,002	9,393	0.559	24.3

Month **JULY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	21,845	13,762	65,802	34,835	2.142	93.3
52-53 . . .	(15,000)	(21,000)	27,130	21,240	1.306	56.9
53-54 . . .	1,18,386	37,721	27,440	60,094	3.695	161.0
54-55* . . .	38,168	86,091	39,259	54,014	3.321	144.7
3 Years' Average	51,744	24,161	40,124	38,723	2.381	103.7

Month **AUGUST**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	32,920	45,935	23,997	33,952	2.088	90.9
52-53 . . .	32,432	27,942	30,578	30,326	1.865	81.2
53-54 . . .	86,264	114,366	46,316	81,154	4.990	217.4
54-55* . . .	84,622	66,287	25,771	57,825	3.556	154.9
3 Years' Average	50,539	62,748	33,630	48,477	2.981	129.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 50

River **TUNGABHADRA**

Site **HESRUR**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	15,524	11,364	12,591	13,160	0.783	34.1
52-53 . . .	13,499	8,019	7,425	9,648	0.574	25.0
53-54 . . .	19,358	14,676	13,614	15,883	0.945	41.2
54-55* . . .	26,560	19,971	20,467	22,332	1.329	57.9
3 Years' Average	16,127	11,353	11,210	12,897	0.767	33.4

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1951-52 . . .	(12,000)	(11,500)	(11,000)	(11,484)	(0.706)	(30.8)
52-53 . . .	14,536	22,366	9,363	15,226	0.936	40.8
53-54 . . .	21,477	21,184	28,977	24,044	1.478	64.4
54-55* . . .	13,954	7,830	N.A.	12,540	0.771	33.6
3 Years' Average	16,004	18,350	16,447	16,918	1.040	45.3

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	8,797	7,195	4,695	6,896	0.410	17.9
51-52 . . .	10,422	6,910	6,811	8,047	0.479	20.9
52-53 . . .	6,644	4,891	4,129	5,222	0.311	13.5
53-54 . . .	19,380	4,669	3,247	9,099	0.541	23.6
3 Years' Average	12,149	5,490	4,729	7,456	0.444	19.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 50

River **TUNGABHADRA**

Site **HESRUR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	4,913	3,488	2,362	3,548	0.218	9.5
51-52 . . .	3,576	2,783	2,561	2,960	0.182	7.9
52-53 . . .	4,074	5,500	2,997	4,152	0.255	11.1
53-54 . . .	3,840	3,641	2,869	3,431	0.211	9.2
3 Years' Average	3,830	3,975	2,809	3,514	0.216	9.4

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	2,220	1,698	1,286	1,720	0.106	4.6
51-52 . . .	3,803	3,846	3,114	3,573	0.220	9.6
52-53 . . .	2,215	1,660	1,399	1,746	0.107	4.7
53-54 . . .	2,283	2,163	2,701	2,393	0.147	6.4
3 Years' Average	2,767	2,556	2,405	2,571	0.158	6.9

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21 28/29</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	Nil	Nil	Nil	Nil	Nil	Nil
51-52 . . .	2,374	2,074	2,159	2,204	0.127	5.5
52-53 . . .	599	352	313	429	0.024	1.0
53-54 . . .	1,966	1,931	2,019	1,969	0.109	4.8
3 Years' Average	1,646	1,452	1,497	1,534	0.087	3.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 50

River **TUNGABHADRA**

Site **HESRUR**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	Nil	Nil	Nil	Nil	Nil	Nil
51-52 . . .	1,034	604	751	795	0.049	2.1
52-53 . . .	322	199	146	220	0.014	0.6
53-54 . . .	1,719	1,082	453	1,064	0.065	2.8
3 Years' Average	1,025	628	450	693	0.043	1.8

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	Nil	Nil	Nil	Nil	Nil	Nil
51-52 . . .	328	303	378	336	0.020	0.9
52-53 . . .	273	399	489	387	0.023	1.0
53-54 . . .	643	976	683	767	0.046	2.0
3 Years' Average	415	559	517	497	0.030	1.3

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1950-51* . . .	Nil	Nil	Nil	Nil	Nil	Nil
51-52 . . .	503	373	2,516	1,775	0.072	3.1
52-53 . . .	436	143	266	282	0.017	0.8
53-54 . . .	2,224	1,074	3,459	2,291	0.141	6.1
3 Years' Average	1,054	531	2,080	1,249	0.077	3.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

<i>River</i> TUNGABHADRA	<i>Site</i> TUNGABHADRA DAM				<i>Month</i> JUNE	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .				6,014	0.358	15.6
32-33 . . .				8,045	0.479	20.9
33-34 . . .				45,756	2.723	118.6
34-35 . . .				10,671	0.635	27.7
35-36 . . .				3,403	0.202	8.8
1936-37 . . .				10,436	0.621	27.1
37-38 . . .				3,603	0.214	9.3
38-39 . . .				15,571	0.927	40.4
39-40 . . .				3,671	0.218	9.5
40-41 . . .				7,763	0.462	20.1
10 Years' Average				11,493	0.684	29.8
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50 . . .						
50-51 . . .	6,672	4,917	11,660	7,750	0.461	20.1
1951-52 . . .	13,501	12,314	21,108	15,641	0.931	40.5
52-53 . . .	4,223	2,778	11,328	6,109	0.364	15.8
53-54 . . .	(6,169)	(9,294)	(14,747)	(10,070)	(0.599)	(26.1)
54-55 . . .	6,303	29,985	16,982	17,757	1.057	46.0
55-56 . . .	4,861	6,420	17,326	9,536	0.567	24.7
1956-57 . . .	6,528	14,470	22,130	14,376	0.855	37.3
57-58 . . .	9,217	11,272	10,528	10,339	0.615	26.8
58-59 . . .	7,868	2,907	14,988	8,588	0.511	22.3
59-60 . . .	701	4,552	14,143	6,466	0.385	16.8
60-61 . . .	1,817	3,330	7,283	4,143	0.247	10.7
11 Years' Average	6,169	9,294	14,747	10,070	0.599	26.1



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F</i>	<i>T. M. C.</i>
1931-32 . . .				30,320	1.864	81.2
32-33 . . .				110,314	6.783	295.5
33-34 . . .				89,264	5.489	239.1
34-35 . . .				73,446	4.516	196.7
35-36 . . .				31,336	1.927	83.9
1936-37 . . .				46,280	2.846	124.0
37-38 . . .				55,022	3.383	147.4
38-39 . . .				48,302	2.970	129.4
39-40 . . .				41,131	2.579	110.2
40-41 . . .				53,102	3.265	142.2
10 Years' Average				57.852	3.557	155.0
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50 . . .						
50-51 . . .	10,277	39,315	133,937	63,524	3.906	170.1
1951-52 . . .	12,491	11,689	86,258	38,407	2.362	102.9
52-53 . . .	25,586	13,391	44,824	28,478	1.751	76.3
53-54 . . .	134,478	48,252	26,513	68,353	4.203	183.1
54-55 . . .	44,673	86,814	41,200	57,034	3.507	152.8
55-56 . . .	49,141	11,672	10,783	23,443	1.441	62.8
1956-57 . . .	117,280	48,369	50,117	71,219	4.379	190.8
57-58 . . .	40,053	105,292	34,759	59,219	3.641	158.6
58-59 . . .	82,737	123,204	92,192	99,146	6.096	265.6
59-60 . . .	153,423	103,454	153,246	137,241	8.439	367.6
60-61 . . .	58,391	21,765	33,328	37,683	2.317	100.9
11 Years' Average	66,230	55,747	64,287	62,159	3.822	166.5



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32				55,745	3.428	149.3
32-33				103,828	6.384	278.1
33-34				103,943	6.391	278.4
34-35				95,780	5.889	256.5
35-36				29,306	1.802	78.5
1936-37				38,351	2.358	102.7
37-38				33,909	2.085	90.8
38-39				22,096	1.359	59.2
39-40				38,837	2.388	104.0
40-41				64,610	3.973	173.1
10 Years' Average				58,640	3.606	157.1
1941-42						
42-43						
43-44						
44-45						
45-46						
1946-47						
47-48						
48-49						
49-50						
50-51	63,926	50,809	29,129	47,347	2.911	126.8
1951-52	51,026	46,907	31,006	42,593	2.619	114.1
52-53	52,125	49,503	49,910	50,493	3.105	135.2
53-54	90,535	119,620	55,147	88,434	5.438	236.9
54-55	79,184	61,139	24,019	53,788	3.307	144.1
55-56	24,614	22,093	23,968	23,572	1.449	63.1
1956-57	71,173	49,525	30,549	49,775	3.061	133.3
57-58	23,917	27,660	59,345	37,696	2.318	101.0
58-59	34,906	75,588	57,318	55,982	3.442	149.9
59-60	58,700	41,025	47,612	49,064	3.017	131.4
60-61	82,143	44,278	24,433	49,451	3.041	132.4
11 Years' Average	57,477	53,468	39,312	49,826	3.064	133.5



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River TUNGABHADRA Site TUNGABHADRA DAM Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1931-32 . . .				28,932	1.722	75.0
32-33 . . .				66,890	3.980	173.4
33-34 . . .				87,609	5.213	227.1
34-35 . . .				21,173	1.260	54.9
35-36 . . .				24,790	1.475	64.3
1936-37 . . .				17,312	1.030	44.9
37-38 . . .				11,705	0.696	30.3
38-39 . . .				16,307	0.970	42.3
39-40 . . .				21,192	1.261	54.9
40-41 . . .				15,833	0.942	41.0
10 Years' Average				31,174	1.855	80.8
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50 . . .						
50-51 . . .	34,428	49,761	25,197	36,532	2.174	94.7
1951-52 . . .	11,622	9,750	9,779	10,383	0.618	26.9
52-53 . . .	18,326	10,110	7,762	12,066	0.718	31.3
53-54 . . .	18,332	16,957	14,412	16,567	0.986	42.9
54-55 . . .	37,865	13,326	12,929	21,374	1.272	55.4
55-56 . . .	29,715	19,280	44,635	31,210	1.857	80.9
1956-57 . . .	14,704	13,163	14,066	13,978	0.832	36.2
57-58 . . .	21,992	13,584	8,407	14,661	0.872	38.0
58-59 . . .	41,341	25,818	25,262	30,807	1.833	79.9
59-60 . . .	50,202	30,257	35,975	38,812	2.309	100.6
60-61 . . .	12,331	19,752	35,339	22,474	1.337	58.3
11 Years' Average.	26,442	20,160	21,251	22,624	1.346	58.6



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

<i>River</i>	TUNGABHADRA	<i>Site</i>	TUNGABHADRA DAM	<i>Month</i>	OCTOBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32				10,034	0.617	26.9
32-33				51,882	3.190	139.0
33-34				79,574	4.893	213.1
34-35				18,040	1.109	48.3
35-36				12,255	0.754	32.8
1936-37				13,032	0.801	34.9
37-38				16,951	1.042	45.4
38-39				14,508	0.892	38.9
39-40				17,744	1.091	47.5
40-41				17,182	1.056	46.0
10 Years' Average				25,120	1.544	67.3
1941-42						
42-43						
43-44						
44-45						
45-46						
1946-47						
47-48						
48-49						
49-50						
50-51	23,219	37,917	10,257	23,361	1.436	62.6
1951-52	28,034	12,415	6,613	15,404	0.947	41.3
52-53	24,212	36,330	13,907	24,465	1.504	65.5
53-54	25,694	27,337	38,542	30,783	1.893	82.4
54-55	12,262	8,262	11,454	10,685	0.657	28.6
55-56	28,750	13,616	30,000	24,311	1.495	65.1
1956-57	32,433	29,050	14,309	24,910	1.532	66.7
57-58	17,926	8,740	23,433	16,917	1.040	45.3
58-59	14,844	18,634	8,356	13,764	0.846	36.9
59-60	41,812	11,568	11,598	21,335	1.312	57.1
60-61	24,433	9,646	11,787	15,176	0.933	40.6
11 Years' Average	24,877	19,410	16,387	20,101	1.236	53.8



MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 51

River **TUNGABHADRA** Site **TUNGABHADRA DAM** Month **NOVEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1931-32 . . .				11,564	0.688	30.0
32-33 . . .				45,319	2.697	117.5
33-34 . . .				16,216	0.965	42.0
34-35 . . .				7,912	0.471	20.5
35-36 . . .				4,232	0.252	11.0
1936-37 . . .				7,177	0.427	18.6
37-38 . . .				3,905	0.232	10.1
38-39 . . .				3,182	0.189	8.2
39-40 . . .				10,069	0.599	26.1
40-41 . . .				7,279	0.433	18.9
10 Years' Average				11,686	0.695	30.3
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50 . . .						
50-51 . . .	8,520	6,895	3,990	6,468	0.385	16.8
1951-52 . . .	4,991	3,583	4,447	4,340	0.258	11.2
52-53 . . .	7,338	6,532	5,642	6,504	0.387	16.9
53-54 . . .	23,883	5,478	4,099	11,153	0.664	28.9
54-55 . . .	4,827	3,788	3,966	4,194	0.250	10.9
55-56 . . .	15,593	12,654	6,028	11,426	0.680	29.6
56-57 . . .	42,893	18,347	11,888	24,376	1.450	63.2
57-58 . . .	11,007	24,958	6,443	14,166	0.841	36.3
58-59 . . .	5,513	4,341	4,821	4,892	0.291	12.7
59-60 . . .	7,537	7,434	4,934	6,635	0.395	17.2
60-61 . . .	12,260	12,039	9,788	11,362	0.676	29.5
11 Years' Average	13,124	9,641	6,004	9,590	0.571	24.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .				2,920	0.180	7.8
32-33 . . .				7,669	0.472	20.5
33-34 . . .				7,381	0.454	19.8
34-35 . . .				3,020	0.186	8.1
35-36 . . .				1,522	0.094	4.1
1936-37 . . .				2,320	0.143	6.2
37-38 . . .				2,176	0.134	5.8
38-39 . . .				2,566	0.158	6.9
39-40 . . .				2,824	0.174	7.6
40-41 . . .				3,790	0.233	10.2
10 Years' Average				3,619	0.223	9.7
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50 . . .						
50-51 . . .	3,200	2,713	2,358	2,744	0.169	7.3
1951-52 . . .	3,247	2,280	1,718	2,392	0.147	6.4
52-53 . . .	4,818	6,056	3,671	4,810	0.296	12.9
53-54 . . .	2,833	2,286	2,469	2,527	0.155	6.8
54-55 . . .	3,046	2,675	3,013	2,915	0.179	7.8
55-56 . . .	4,668	3,832	2,147	3,504	0.215	9.4
1956-57 . . .	6,408	4,418	4,435	5,066	0.311	13.6
57-58 . . .	5,089	3,764	2,802	3,779	0.232	10.1
58-59 . . .	3,862	2,789	2,059	2,876	0.177	7.7
59-60 . . .	4,887	5,065	7,328	5,810	0.357	15.6
60-61 . . .	9,088	7,036	3,440	6,422	0.395	17.2
11 Years' Average	4,650	3,901	3,204	3,895	0.239	10.4



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River TUNGABHADRA		Site TUNGABHADRA DAM				Month JANUARY	
Year (June to May)	Mean discharge (Cusecs)				Whole month	Volume of flow for the month	
	1-10	11-20	21-31	M. A. F.		T. M. C.	
1931-32 . . .					172	0.011	0.5
32-33 . . .					3,993	0.246	10.7
33-34 . . .					4,406	0.271	11.8
34-35 . . .					1,927	0.118	5.2
35-36 . . .					926	0.057	2.5
1936-37 . . .					2,677	0.165	7.2
37-38 . . .					2,449	0.151	6.6
38-39 . . .					2,083	0.128	5.6
39-40 . . .					1,356	0.083	3.6
40-41 . . .					1,661	0.102	4.5
10 Years' Average					2,165	0.133	5.3
1941-42 . . .							
42-43 . . .							
43-44 . . .							
44-45 . . .							
45-46 . . .							
1946-47 . . .							
47-48 . . .							
48-49 . . .							
49-50 . . .							
50-51 . . .	1,692	1,188	1,196	1,353	0.083	3.6	
1951-52 . . .	1,333	1,109	846	1,088	0.067	2.9	
52-53 . . .	2,580	1,933	640	1,683	0.103	4.5	
53-54 . . .	2,183	1,879	1,278	1,764	0.108	4.7	
54-55 . . .	1,800	1,450	1,615	1,621	0.100	4.3	
55-56 . . .	2,546	3,357	4,238	3,408	0.210	9.1	
1956-57 . . .	3,678	2,872	1,654	2,700	0.166	7.2	
57-58 . . .	1,670	1,433	1,406	1,500	0.092	4.0	
58-59 . . .	1,411	1,111	2,032	1,535	0.094	4.1	
59-60 . . .	4,805	2,769	1,750	3,064	0.188	8.2	
60-61 . . .	2,195	1,282	1,273	1,574	0.097	4.2	
11 Years' Average	2,354	1,853	1,630	1,935	0.119	5.2	



**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .				2	Nil	Nil
32-33 . . .				2,186	0.121	5.3
33-34 . . .				2,128	0.118	5.1
34-35 . . .				1,292	0.072	3.1
35-36 . . .				518	0.030	1.3
1936-37 . . .				1,305	0.072	3.2
37-38 . . .				480	0.027	1.2
38-39 . . .				589	0.033	1.4
39-40 . . .				875	0.050	2.2
40-41 . . .				866	0.048	2.1
10 Years' Average				1,024	0.057	2.5
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50* . . .	495	366	379	416	0.023	1.0
50-51 . . .	986	751	568	784	0.044	1.9
1951-52 . . .	684	628	536	619	0.036	1.6
52-53 . . .	973	962	548	848	0.047	2.1
53-54 . . .	996	—376	506	366	0.020	0.9
54-55 . . .	830	784	947	847	0.047	2.0
55-56 . . .	4,391	3,790	3,869	4,021	0.231	10.1
1956-57 . . .	1,464	781	1,196	1,144	0.064	2.8
57-58 . . .	1,450	905	1,159	1,172	0.065	2.8
58-59 . . .	480	811	1,040	758	0.042	1.8
59-60 . . .	2,067	790	991	1,293	0.074	3.2
60-61 . . .	1,158	631	1,093	951	0.053	2.3
11 Years' Average	1,407	951	1,132	1,164	0.066	2.9

* Not considered for calculating the average.

(51.9)

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River TUNGABHADRA Site TUNGABHADRA DAM Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
931-32 . . .				<i>Nil</i>	Nil	Nil
32-33 . . .				<i>1,408</i>	0.087	3.8
33-34 . . .				<i>1,065</i>	0.065	2.9
34-35 . . .				<i>728</i>	0.045	2.0
35-36 . . .				<i>186</i>	0.011	0.5
1936-37 . . .				<i>700</i>	0.043	1.9
37-38 . . .				<i>896</i>	0.055	2.4
38-39 . . .				<i>733</i>	0.045	2.0
39-40 . . .				<i>332</i>	0.020	0.9
40-41 . . .				<i>421</i>	0.026	1.1
10 Years' Average				647	0.040	1.8
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50* . . .	355	306	319	326	0.020	0.9
50-51 . . .	497	398	402	431	0.027	1.2
1951-52 . . .	478	444	423	448	0.028	1.2
52-53 . . .	819	581	304	560	0.034	1.5
53-54 . . .	-144	-284	-190	-205	-0.013	-0.5
54-55 . . .	296	-71	-541	-120	-0.007	-0.3
55-56 . . .	4,010	4,123	1,044	2,994	0.184	8.0
1956-57 . . .	768	1,051	1,724	1,199	0.074	3.2
57-58 . . .	1,245	1,321	594	1,038	0.064	2.8
58-59 . . .	601	853	1,306	933	0.057	2.5
59-60 . . .	1,060	586	373	663	0.041	1.8
60-61 . . .	517	621	995	720	0.044	1.9
11 Years' Average	922	875	585	787	0.048	2.1

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **APRIL**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1931-32 . . .				198	0.012	0.5
32-33 . . .				519	0.031	1.3
33-34 . . .				1,919	0.114	5.0
34-35 . . .				1,323	0.079	3.4
35-36 . . .				277	0.016	0.7
1936-37 . . .				842	0.050	2.2
37-38 . . .				1,306	0.078	3.4
38-39 . . .				945	0.056	2.4
39-40 . . .				679	0.040	1.8
40-41 . . .				742	0.044	1.9
10 Years' Average				875	0.052	2.3
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50* . . .	263	238	233	244	0.015	0.6
50-51 . . .	368	619	426	471	0.028	1.2
1951-52 . . .	414	394	1,458	755	0.045	2.0
52-53 . . .	(412)	(727)	(1,403)	(858)	(0.051)	(2.2)
53-54 . . .	682	799	461	647	0.038	1.7
54-55 . . .	727	918	2,853	1,015	0.060	2.6
55-56 . . .	Nil	Nil	568	189	0.011	0.5
1956-57 . . .	278	383	1,121	594	0.035	1.5
57-58 . . .	1 236	1,729	2,836	1,934	0.115	5.0
58-59 . . .	805	724	303	611	0.036	1.6
59-60 . . .	738	924	1,732	1,131	0.067	2.9
60-61 . . .	631	784	2,270	1,228	0.073	3.2
11 Years' Average	442	727	1,403	858	0.051	2.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 51

River **TUNGABHADRA**

Site **TUNGABHADRA DAM**

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1931-32 . . .				218	0.018	0.8
32-33 . . .				3,876	0.238	10.4
33-34 . . .				4,237	0.261	11.3
34-35 . . .				860	0.053	2.3
35-36 . . .				249	0.015	0.7
1936-37 . . .				2,716	0.167	7.3
37-38 . . .				1,544	0.095	4.1
38-39 . . .				1,542	0.095	4.1
39-40 . . .				322	0.020	0.9
40-41 . . .				3,323	0.204	8.9
10 Years' Average				1 896	0.117	5.1
1941-42 . . .						
42-43 . . .						
43-44 . . .						
44-45 . . .						
45-46 . . .						
1946-47 . . .						
47-48 . . .						
48-49 . . .						
49-50* . . .	350	727	774	622	0.038	1.7
50-51 . . .	510	602	3,251	1,512	0.093	4.0
1951-52 . . .	3,440	1,454	3,163	2,701	0.136	7.2
52-53 . . .	(2 279)	(3,657)	(7,163)	(4,457)	(0.274)	(11.9)
53-54 . . .	2,750	2,364	3,569	2,916	0.179	7.8
54-55 . . .	1,243	3,455	25,255	10,477	0.644	23.1
55-56 . . .	5,719	2,080	3,189	3,647	0.224	9.3
1956-57 . . .	638	1,973	10,964	4,733	0.291	12.7
57-58 . . .	4,905	9,418	4,137	6,088	0.374	16.3
58-59 . . .	15	632	1,338	684	0.042	1.8
59-60 . . .	1,829	9,231	3,773	4,907	0.302	13.1
60-61 . . .	1,744	5,360	12,995	6,903	0.424	18.5
11 Years' Average	2,279	3,657	7,163	4,457	0.274	11.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 52

River TUNGABHADRA

Site RAJOLIBANDA

Year 1960-61

<i>Months</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-End</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T.M.C.</i>
June						
July	19,703	20,057	20,839	20,297	1.248	54.4
August	83,925	33,989	30,335	48,801	3.001	130.7
September	19,023	35,988	79,905	44,972	2.676	116.6
October	37,308	13,283	12,255	20,668	1.271	55.4
November	12,756	13,020	14,543	13,440	0.800	34.8
December	8,277	8,805	9,005	8,706	0.535	23.3
January	3,792	3,950	8,771	5,610	0.345	15.0
February	10,458	8,254	8,254	9,041	0.502	21.9
March	8,254	8,032	5,795	7,310	0.449	19.6
April	8,254	7,351	4,124	6,576	0.391	17.0
May	3,446	3,051	3,001	3,161	0.194	8.5
Volume (July to Nov.)					8.996	391.9
Volume (Dec. to May)					2.416	105.3
Volume (July to May)					11.412	497.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month JUNE

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	4,618	6,830	58,728	23,392	1.392	60.6
05-06 . . .	2,193	9,164	4,438	5,265	0.313	13.6
1906-07 . . .	6	8,119	6,973	5,033	0.299	13.0
07-08 . . .	1,394	3,165	11,673	5,411	0.322	14.0
08-09 . . .	109	1,847	3,145	1,701	0.101	4.4
09-10 . . .	3,324	22,198	9,230	11,584	0.689	30.0
10-11 . . .	265	365	5,894	2,175	0.129	5.6
<i>7 Years' Average</i>	<i>1,701</i>	<i>7,384</i>	<i>14,297</i>	<i>7,794</i>	<i>0.464</i>	<i>20.2</i>
1911-12 . . .	1,450	5,451	27,080	11,327	0.674	29.4
12-13 . . .	1,167	1,327	7,946	3,480	0.207	9.0
13-14 . . .	7,425	11,048	8,041	8,838	0.526	22.9
14-15 . . .	254	4,405	169	1,609	0.096	4.2
15-16 . . .	2,554	7,270	9,201	6,341	0.377	16.4
1916-17 . . .	7,146	7,044	63,290	25,826	1.537	66.9
17-18 . . .	19,776	7,205	10,597	12,526	0.745	32.5
18-19 . . .	6,360	4,376	18,488	9,741	0.580	25.2
19-20 . . .	13,548	4,910	21,251	13,236	0.788	34.3
20-21 . . .	2,489	3,780	11,754	6,008	0.358	15.6
<i>10 Years' Average</i>	<i>6,217</i>	<i>5,682</i>	<i>17,780</i>	<i>9,893</i>	<i>0.589</i>	<i>25.6</i>
1921-22 . . .	5,625	1,052	11,373	6,017	0.358	15.6
22-23 . . .	4,883	2,290	1,053	2,742	0.163	7.1
23-24 . . .	3,138	1,049	4,587	2,924	0.174	7.6
24-25 . . .	1,913	2,675	10,410	4,999	0.297	13.0
25-26 . . .	1,106	1,617	21,456	8,060	0.480	20.9
1926-27 . . .	2,280	344	4,915	2,513	0.150	6.5
27-28 . . .	2,824	2,653	12,201	5,892	0.351	15.3
28-29 . . .	5,063	5,185	6,419	5,556	0.331	14.4
29-30 . . .	2,985	10,713	15,224	9,641	0.574	25.0
30-31 . . .	838	3,091	503	1,477	0.088	3.8
<i>10 Years' Average</i>	<i>3,066</i>	<i>3,067</i>	<i>8,814</i>	<i>4,982</i>	<i>0.296</i>	<i>12.9</i>
1931-32 . . .	5,764	1,862	10,865	6,164	0.367	16.0
32-33 . . .	4,157	3,752	7,904	5,271	0.314	13.7
33-34 . . .	19,477	15,788	47,488	27,584	1.641	71.5
34-35 . . .	2,460	3,205	988	2,218	0.132	5.7
35-36 . . .	1,170	11,230	5,806	6,068	0.361	15.7
<i>5 Years' Average</i>	<i>6,606</i>	<i>7,167</i>	<i>14,610</i>	<i>9,461</i>	<i>0.563</i>	<i>24.5</i>
<i>32 Years' Average</i>	<i>4,305</i>	<i>5,469</i>	<i>13,722</i>	<i>7,832</i>	<i>0.466</i>	<i>20.3</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1904-05 . . .	111,038	67,390	45,435	73,680	4.530	197.3
05-06 . . .	12,876	25,157	57,977	32,841	2.019	88.0
1906-07 . . .	9,123	17,251	86,497	39,200	2.410	105.0
07-08 . . .	46,744	24,690	97,921	57,789	3.553	154.8
08-09 . . .	29,713	35,118	111,612	60,518	3.721	162.1
09-10 . . .	29,941	96,681	89,988	72,777	4.475	194.9
10-11 . . .	57,999	33,205	19,087	36,194	2.225	96.9
<i>7 Years' Average</i>	<i>42,491</i>	<i>42,784</i>	<i>72,645</i>	<i>53,285</i>	<i>3.276</i>	<i>142.7</i>
1911-12 . . .	15,140	33,223	114,536	56,243	3.458	150.6
12-13 . . .	13,758	33,686	130,164	61,492	3.781	164.7
13-14 . . .	28,272	34,290	64,230	42,973	2.642	115.1
14-15 . . .	23,847	54,460	147,088	77,453	4.762	207.4
15-16 . . .	36,061	16,891	30,499	27,894	1.715	74.7
1916-17 . . .	32,996	28,249	27,387	29,474	1.812	78.9
17-18 . . .	25,833	9,310	36,698	24,358	1.498	65.2
18-19 . . .	18,155	13,384	6,449	12,462	0.767	33.4
19-20 . . .	29,828	27,506	15,574	24,021	1.477	64.3
20-21 . . .	13,518	51,183	47,994	37,901	2.330	101.5
<i>10 Years' Average</i>	<i>23,741</i>	<i>30,218</i>	<i>62,062</i>	<i>39,427</i>	<i>2.424</i>	<i>105.6</i>
1921-22 . . .	5,080	13,715	33,593	17,983	1.106	48.2
22-23 . . .	19,073	36,030	52,637	36,452	2.241	97.6
23-24 . . .	20,862	99,692	120,424	81,620	5.019	218.6
24-25 . . .	4,281	74,234	155,775	80,603	4.956	215.9
25-26 . . .	32,413	66,224	69,461	56,466	3.472	151.2
1926-27 . . .	12,147	42,286	23,313	25,831	1.588	69.2
27-28 . . .	16,243	54,290	61,730	44,659	2.746	119.6
28-29 . . .	11,727	14,687	37,838	21,947	1.349	58.8
29-30 . . .	46,052	45,591	25,982	38,782	2.385	103.9
30-31 . . .	36,780	12,013	33,743	27,713	1.704	74.2
<i>10 Years' Average</i>	<i>20,466</i>	<i>45,876</i>	<i>61,450</i>	<i>43,206</i>	<i>2.657</i>	<i>115.7</i>
1931-32 . . .	20,286	33,651	22,810	25,493	1.568	68.3
32-33 . . .	9,441	51,864	67,174	43,612	2.682	116.8
33-34 . . .	39,341	73,594	41,285	51,080	3.141	136.8
34-35 . . .	71,878	37,084	28,951	45,422	2.793	121.7
35-36 . . .	15,420	73,784	32,543	40,323	2.479	108.0
<i>5 Years' Average</i>	<i>31,273</i>	<i>53,996</i>	<i>38,553</i>	<i>41,186</i>	<i>2.532</i>	<i>110.3</i>
<i>32 Years' Average</i>	<i>27,996</i>	<i>41,575</i>	<i>60,512</i>	<i>43,914</i>	<i>2.700</i>	<i>117.6</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	41,544	54,956	22,016	38,941	2.394	104.3
05-06 . . .	30,839	32,367	28,829	30,619	1.883	82.0
1906-07 . . .	34,446	28,833	61,641	42,285	2.600	113.3
07-08 . . .	126,810	127,491	61,776	103,953	6.392	278.4
08-09 . . .	114,858	54,077	32,366	65,980	4.057	176.7
09-10 . . .	68,635	27,801	34,770	43,446	2.671	116.4
10-11 . . .	49,432	53,828	52,218	51,839	3.187	138.8
<i>7 Years' Average</i>	<i>66,652</i>	<i>54,193</i>	<i>41,945</i>	<i>53,866</i>	<i>3.312</i>	<i>144.3</i>
1911-12 . . .	30,045	39,811	35,030	34,963	2.150	93.6
12-13 . . .	100,843	59,346	48,375	68,839	4.233	184.4
13-14 . . .	88,189	26,712	14,198	42,103	2.589	112.8
14-15 . . .	91,941	60,360	52,808	67,867	4.173	181.8
15-16 . . .	78,810	23,279	11,578	37,040	2.278	99.2
1916-17 . . .	93,655	49,336	26,357	55,478	3.411	148.6
17-18 . . .	33,841	30,606	34,673	33,093	2.035	88.6
18-19 . . .	7,078	16,675	39,389	21,639	1.331	58.0
19-20 . . .	62,904	30,598	21,195	37,683	2.317	100.9
20-21 . . .	26,241	15,977	15,670	19,179	1.179	51.4
<i>10 Years' Average</i>	<i>61,355</i>	<i>35,270</i>	<i>29,927</i>	<i>41,788</i>	<i>2.569</i>	<i>111.9</i>
1921-22 . . .	65,539	38,866	30,727	44,582	2.741	119.4
22-23 . . .	37,604	21,395	33,270	30,338	1.896	82.6
23-24 . . .	77,213	107,045	42,688	74,585	4.586	199.7
24-25 . . .	45,295	44,278	31,018	39,901	2.453	106.9
25-26 . . .	34,563	30,319	35,186	33,415	2.055	89.5
1926-27 . . .	66,636	59,395	29,264	51,039	3.138	136.7
27-28 . . .	24,093	43,960	19,339	28,815	1.772	77.2
28-29 . . .	51,228	27,590	20,668	32,759	2.014	87.7
29-30 . . .	23,136	16,864	29,241	23,279	1.431	62.4
30-31 . . .	39,394	22,971	10,807	23,953	1.473	64.2
<i>10 Years' Average</i>	<i>46,470</i>	<i>41,268</i>	<i>28,221</i>	<i>38,317</i>	<i>2.356</i>	<i>102.6</i>
1931-32 . . .	30,004	93,384	65,540	63,059	3.877	168.9
32-33 . . .	73,341	34,830	38,104	48,415	2.977	129.7
33-34 . . .	105,532	47,456	68,560	73,679	4.530	197.3
34-35 . . .	31,462	80,981	49,311	53,770	3.306	144.0
35-36 . . .	58,688	25,406	58,070	47,733	2.935	127.8
<i>5 Years' Average</i>	<i>59,805</i>	<i>56,411</i>	<i>55,917</i>	<i>57,331</i>	<i>3.525</i>	<i>153.6</i>
32 Years' Average	57,620	44,587	36,084	45,774	2.815	122.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	12,707	21,109	24,586	19,467	1.158	50.5
05-06 . . .	20,192	17,691	8,581	15,487	0.922	40.1
1906-07 . . .	39,044	22,936	48,806	36,929	2.197	95.7
07-08 . . .	29,580	17,923	31,088	26,197	1.559	67.9
08-09 . . .	23,602	23,477	30,235	25,771	1.533	66.8
09-10 . . .	43,255	20,454	11,754	25,154	1.497	65.2
10-11 . . .	33,087	25,218	49,874	36,060	2.146	93.5
7 Years' Average	28,781	21,258	29,275	26,437	1.573	68.5
1911-12 . . .	18,709	12,897	14,000	15,202	0.905	39.4
12-13 . . .	26,348	19,577	49,954	31,960	1.902	82.8
13-14 . . .	14,366	8,844	16,011	13,074	0.778	33.9
14-15 . . .	27,547	41,741	40,566	36,618	2.179	94.9
15-16 . . .	15,678	20,130	55,062	30,290	1.802	78.5
1916-17 . . .	25,126	40,875	26,938	30,980	1.843	80.3
17-18 . . .	54,489	48,465	87,783	63,579	3.783	164.8
18-19 . . .	13,905	18,010	26,980	19,632	1.168	50.9
19-20 . . .	20,589	21,816	47,700	30,035	1.787	77.9
20-21 . . .	12,684	13,231	20,618	15,510	0.923	40.2
10 Years' Average	22,944	24,559	38,561	28,688	1.707	74.4
1921-22 . . .	20,039	15,917	11,362	15,773	0.939	40.9
22-23 . . .	19,781	11,955	10,854	14,197	0.845	36.8
23-24 . . .	20,417	19,403	21,785	20,535	1.222	53.2
24-25 . . .	29,619	15,654	36,095	27,123	1.614	70.3
25-26 . . .	31,233	13,635	18,824	21,231	1.263	55.0
1926-27 . . .	17,191	15,847	15,418	19,485	1.159	50.5
27-28 . . .	21,053	26,878	25,812	24,581	1.463	63.7
28-29 . . .	26,970	14,726	10,835	17,510	1.042	45.4
29-30 . . .	21,725	22,496	28,487	24,236	1.442	62.8
30-31 . . .	21,011	22,230	14,129	19,124	1.138	49.6
10 Years' Average	22,904	18,874	19,360	20,379	1.213	52.8
1931-32 . . .	28,842	43,884	14,939	29,222	1.739	75.7
32-33 . . .	40,619	26,417	15,665	27,567	1.640	71.5
33-34 . . .	127,170	43,431	40,212	70,271	4.181	182.1
34-35 . . .	19,872	11,917	9,016	13,602	0.809	35.3
35-36 . . .	24,347	45,497	20,762	30,202	1.797	78.3
5 Years' Average	48,170	34,229	20,119	34,173	2.033	88.6
32 Years' Average	28,150	23,571	27,648	26,456	1.574	68.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1904-05 . . .	11,056	25,171	25,747	20,822	1.280	55.8
05-06 . . .	11,596	8,564	12,356	10,888	0.669	29.2
1906-07 . . .	17,941	27,982	9,269	18,103	1.113	48.5
07-08 . . .	35,971	8,516	7,274	16,932	1.041	45.4
08-09 . . .	10,507	5,819	4,317	6,799	0.418	18.2
09-10 . . .	15,007	16,169	7,401	12,683	0.780	34.0
10-11 . . .	38,249	27,096	31,141	32,129	1.976	86.1
<i>7 Years' Average</i>	<i>20,048</i>	<i>17,045</i>	<i>13,929</i>	<i>16,908</i>	<i>1.040</i>	<i>45.3</i>
1911-12 . . .	15,181	12,763	14,455	14,143	0.870	37.9
12-13 . . .	27,265	19,707	25,309	24,133	1.484	64.6
13-14 . . .	19,750	44,648	13,199	25,457	1.565	68.2
14-15 . . .	21,795	12,757	6,523	13,460	0.828	36.1
15-16 . . .	28,144	15,430	10,929	17,934	1.103	48.0
1916-17 . . .	13,031	8,572	62,254	29,059	1.787	77.8
17-18 . . .	34,975	41,274	59,761	45,802	2.816	122.7
18-19 . . .	10,000	6,170	3,683	6,523	0.401	17.5
19-20 . . .	23,744	14,232	9,307	15,553	0.956	41.7
20-21 . . .	14,381	8,835	2,946	8,534	0.525	22.9
<i>10 Years' Average</i>	<i>20,827</i>	<i>18,439</i>	<i>20,836</i>	<i>20,060</i>	<i>1.233</i>	<i>53.7</i>
1921-22 . . .	34,833	52,865	5,841	30,362	1.867	81.3
22-23 . . .	10,211	8,515	8,438	9,035	0.556	24.2
23-24 . . .	12,167	6,880	4,418	7,712	0.474	20.7
24-25 . . .	14,852	9,882	9,334	11,291	0.694	30.2
25-26 . . .	32,287	18,320	6,932	18,784	1.155	50.3
1926-27 . . .	9,322	15,856	5,789	10,176	0.626	27.3
27-28 . . .	13,218	6,471	4,081	7,800	0.480	20.9
28-29 . . .	11,732	7,434	27,675	16,003	0.984	42.9
29-30 . . .	32,173	18,203	7,919	19,061	1.172	51.1
30-31 . . .	35,048	25,173	14,840	24,692	1.158	66.1
<i>10 Years' Average</i>	<i>20,584</i>	<i>16,952</i>	<i>9,527</i>	<i>15,492</i>	<i>0.953</i>	<i>41.5</i>
1931-32 . . .	10,784	9,074	8,205	9,317	0.573	25.0
32-33 . . .	21,463	27,062	39,359	29,619	1.821	79.3
33-34 . . .	41,336	95,170	52,111	62,525	3.845	167.5
34-35 . . .	8,208	16,662	8,057	10,882	0.669	29.1
35-36 . . .	17,881	11,855	25,380	18,598	1.144	49.8
<i>5 Years' Average</i>	<i>19,934</i>	<i>31,965</i>	<i>26,622</i>	<i>26,188</i>	<i>1.610</i>	<i>70.1</i>
32 Years' Average	20,441	19,785	16,695	18,900	1.162	50.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	6,714	3,442	2,388	4,181	0.249	10.8
05-06 . . .	4,706	2,193	2,155	3,018	0.180	7.8
1906-07 . . .	5,457	3,685	2,173	3,772	0.224	9.8
07-08 . . .	4,148	5,372	4,009	4,510	0.268	11.7
08-09 . . .	5,949	2,529	1,468	3,315	0.197	8.6
09-10 . . .	5,937	4,221	2,927	4,362	0.260	11.3
10-11 . . .	22,767	4,293	8,841	15,300	0.910	39.7
<i>7 Years' Average</i>	<i>7,954</i>	<i>5,105</i>	<i>3,423</i>	<i>5,494</i>	<i>0.327</i>	<i>14.2</i>
1911-12 . . .	4,401	2,918	1,892	3,070	0.183	8.0
12-13 . . .	11,803	4,544	7,651	7,999	0.476	20.7
13-14 . . .	5,477	3,495	2,558	3,843	0.229	10.0
14-15 . . .	11,431	8,698	4,253	8,128	0.484	21.1
15-16 . . .	24,994	8,799	7,067	13,620	0.810	35.3
1916-17 . . .	91,814	52,558	16,963	53,778	3.200	139.4
17-18 . . .	14,106	22,295	31,180	22,527	1.340	58.4
18-19 . . .	2,371	9,306	6,827	6,168	0.367	16.0
19-20 . . .	5,961	27,775	9,790	14,509	0.863	37.6
20-21 . . .	3,078	1,939	1,726	2,248	0.134	5.8
<i>10 Years' Average</i>	<i>17,544</i>	<i>14,232</i>	<i>8,991</i>	<i>13,589</i>	<i>0.809</i>	<i>35.2</i>
1921-22 . . .	24,145	6,042	3,371	11,186	0.666	29.0
22-23 . . .	4,505	16,674	5,196	8,790	0.523	22.8
23-24 . . .	3,546	2,866	2,170	2,861	0.170	7.4
24-25 . . .	4,763	3,659	2,833	3,752	0.223	9.7
25-26 . . .	4,033	4,786	3,087	3,969	0.236	10.3
1926-27 . . .	2,836	2,308	1,793	2,246	0.134	5.8
27-28 . . .	4,591	12,190	3,310	6,697	0.398	17.4
28-29 . . .	9,530	3,086	2,330	4,982	0.296	12.9
29-30 . . .	5,335	4,730	4,596	4,887	0.291	12.7
30-31 . . .	12,506	4,866	2,616	6,662	0.396	17.3
<i>10 Years' Average</i>	<i>7,559</i>	<i>6,119</i>	<i>3,130</i>	<i>5,603</i>	<i>0.333</i>	<i>14.5</i>
1931-32 . . .	5,816	18,997	5,890	10,234	0.609	26.5
32-33 . . .	54,012	20,649	9,524	28,061	1.670	72.7
33-34 . . .	22,395	15,851	13,284	17,176	1.022	44.5
34-35 . . .	16,948	5,377	2,907	8,410	0.500	21.8
35-36 . . .	9,859	4,636	3,034	5,843	0.348	15.1
<i>5 Years' Average</i>	<i>21,806</i>	<i>13,102</i>	<i>6,928</i>	<i>13,945</i>	<i>0.830</i>	<i>36.1</i>
<i>32 Years' Average</i>	<i>12,992</i>	<i>9,524</i>	<i>5,619</i>	<i>9,378</i>	<i>0.558</i>	<i>24.3</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

<i>River</i> TUNGABHADRA	<i>Site</i> SUNKESALA				<i>Month</i> DECEMBER	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1 10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T. M. C.</i>
1904-05 . . .	1,686	1,413	1,220	1,433	0.088	3.8
05-06 . . .	1,989	1,408	1,046	1,467	0.090	3.9
1906-07 . . .	1,874	1,220	4,954	2,755	0.169	7.4
07-08 . . .	3,131	1,984	2,043	2,375	0.146	6.4
08-09 . . .	1,204	1,038	870	1,032	0.063	2.8
09-10 . . .	3,134	1,952	1,831	2,291	0.141	6.1
10-11 . . .	4,785	4,042	3,467	4,078	0.251	10.9
<i>7 Years' Average</i>	2,543	1,865	2,204	2,204	0.136	5.9
1911-12 . . .	2,370	1,986	1,541	1,952	0.120	5.2
12-13 . . .	5,341	2,649	1,913	3,256	0.200	8.7
13-14 . . .	1,890	1,933	1,559	1,786	0.110	4.8
14-15 . . .	3,132	4,242	3,937	3,776	0.232	10.1
15-16 . . .	5,472	3,949	3,093	4,136	0.254	11.1
1916-17 . . .	9,343	5,498	3,186	5,918	0.364	15.9
17-18 . . .	8,482	5,880	4,285	6,154	0.378	16.5
18-19 . . .	12,734	4,102	1,780	6,064	0.373	16.2
19-20 . . .	5,758	4,649	3,753	4,689	0.288	12.6
20-21 . . .	1,696	1,446	1,169	1,428	0.088	3.8
<i>10 Years' Average</i>	5,622	3,633	2,622	3,916	0.241	10.5
1921-22 . . .	2,355	1,966	1,714	2,002	0.123	5.4
22-23 . . .	3,464	2,174	1,736	2,338	0.144	6.3
23-24 . . .	1,870	1,846	1,609	1,770	0.109	4.7
24-25 . . .	2,522	3,478	1,978	2,637	0.162	7.1
25-26 . . .	2,106	2,969	2,422	2,496	0.153	6.7
1926-27 . . .	1,644	1,450	1,234	1,436	0.088	3.8
27-28 . . .	2,248	1,774	1,609	1,869	0.115	5.0
28-29 . . .	2,225	2,250	1,742	2,065	0.127	5.5
29-30 . . .	2,974	2,207	1,694	2,272	0.140	6.1
30-31 . . .	2,192	2,047	1,806	2,008	0.123	5.4
<i>10 Years' Average</i>	2,330	2,217	1,754	2,089	0.129	5.6
1931-32 . . .	3,691	3,138	3,403	3,410	0.210	9.1
32-33 . . .	6,948	5,044	3,720	5,166	0.318	13.8
33-34 . . .	6,634	4,509	9,097	6,823	0.420	18.3
34-35 . . .	2,328	1,946	1,651	1,965	0.121	5.3
35-36 . . .	2,455	2,104	1,676	2,065	0.127	5.5
<i>5 Years' Average</i>	4,411	3,348	3,909	3,886	0.239	10.4
32 Years Average	3,731	2,759	2,461	2,966	0.182	7.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	982	884	718	844	0.052	2.3
05-06 . . .	770	614	986	796	0.049	2.1
1906-07 . . .	4,488	1,416	875	2,215	0.136	5.9
07-08 . . .	1,689	1,258	805	1,236	0.076	3.3
08-09 . . .	847	747	460	677	0.042	1.8
09-10 . . .	1,198	957	562	895	0.055	2.4
10-11 . . .	2,749	1,963	1,434	2,029	0.125	5.4
<i>7 Years' Average</i>	<i>1,818</i>	<i>1,120</i>	<i>834</i>	<i>1,242</i>	<i>0.076</i>	<i>3.3</i>
1911-12 . . .	1,300	1,074	630	989	0.061	2.6
12-13 . . .	1,678	1,490	1,081	1,406	0.086	3.8
13-14 . . .	1,374	1,096	679	1,038	0.064	2.8
14-15 . . .	1,974	1,584	1,854	1,806	0.111	4.8
15-16 . . .	2,293	1,521	1,027	1,595	0.098	4.3
1916-17 . . .	3,682	2,426	1,925	2,654	0.163	7.1
17-18 . . .	3,775	3,287	3,103	3,379	0.208	9.0
18-19 . . .	1,268	1,028	763	1,012	0.052	2.7
19-20 . . .	2,863	1,921	1,184	1,963	0.121	5.3
20-21 . . .	934	786	565	755	0.046	2.0
<i>10 Years' Average</i>	<i>2,114</i>	<i>1,621</i>	<i>1,281</i>	<i>1,660</i>	<i>0.102</i>	<i>4.4</i>
1921-22 . . .	2,630	2,074	1,123	1,916	0.118	5.1
22-23 . . .	1,528	1,296	862	1,217	0.075	3.3
23-24 . . .	1,417	1,200	826	1,137	0.070	3.0
24-25 . . .	1,477	1,271	980	1,234	0.076	3.3
25-26 . . .	1,692	1,508	1,127	1,432	0.088	3.8
1926-27 . . .	1,100	934	694	902	0.055	2.4
27-28 . . .	1,459	1,189	752	1,121	0.069	3.0
28-29 . . .	1,552	1,320	1,022	1,289	0.079	3.5
29-30 . . .	1,553	1,308	863	1,229	0.076	3.3
30-31 . . .	1,656	1,406	897	1,306	0.080	3.5
<i>10 Years' Average</i>	<i>1,606</i>	<i>1,351</i>	<i>915</i>	<i>1,278</i>	<i>0.079</i>	<i>3.4</i>
1931-32 . . .	2,023	1,582	1,153	1,572	0.097	4.2
32-33 . . .	3,117	2,448	1,750	2,416	0.149	6.5
33-34 . . .	5,150	3,664	2,531	3,741	0.230	10.0
34-35 . . .	1,497	1,330	1,016	1,271	0.078	3.4
35-36 . . .	1,600	1,403	1,050	1,341	0.082	3.6
<i>5 Years' Average</i>	<i>2,677</i>	<i>2,085</i>	<i>1,500</i>	<i>2,068</i>	<i>0.127</i>	<i>5.5</i>
<i>32 Years' Average</i>	<i>1,979</i>	<i>1,500</i>	<i>1,103</i>	<i>1,513</i>	<i>0.093</i>	<i>4.1</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month FEBRUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	462	377	611	474	0.026	1.1
05-06 . . .	704	325	269	444	0.025	1.1
1906-07 . . .	498	372	378	419	0.023	1.0
07-08 . . .	791	477	305	532	0.031	1.3
08-09 . . .	422	271	131	285	0.016	0.7
09-10 . . .	535	343	151	357	0.020	0.9
10-11 . . .	1,250	871	597	928	0.052	2.2
<i>7 Years' Average</i>	<i>666</i>	<i>434</i>	<i>349</i>	<i>491</i>	<i>0.027</i>	<i>1.2</i>
1911-12 . . .	637	480	301	479	0.028	1.2
12-13 . . .	990	647	453	714	0.040	1.7
13-14 . . .	654	469	297	486	0.027	1.2
14-15 . . .	1,158	756	425	805	0.045	1.9
15-16 . . .	915	566	339	616	0.035	1.5
1916-17 . . .	6,353	2,383	1,327	3,499	0.194	8.4
17-18 . . .	1,922	1,187	782	1,334	0.074	3.2
18-19 . . .	624	382	189	413	0.023	1.0
19-20 . . .	994	705	385	705	0.041	1.8
20-21 . . .	595	409	188	412	0.023	1.0
<i>10 Years' Average</i>	<i>1,484</i>	<i>798</i>	<i>469</i>	<i>946</i>	<i>0.053</i>	<i>2.3</i>
1921-22 . . .	889	558	281	597	0.033	1.4
22-23 . . .	683	515	1,025	721	0.040	1.7
23-24 . . .	675	526	325	515	0.030	1.3
24-25 . . .	811	627	390	625	0.035	1.5
25-26 . . .	1,281	638	452	814	0.045	2.0
1926-27 . . .	606	475	324	479	0.027	1.2
27-28 . . .	1,448	1,628	726	1,286	0.074	3.2
28-29 . . .	1,049	798	521	809	0.045	2.0
29-30 . . .	859	582	361	613	0.034	1.5
30-31 . . .	990	720	494	752	0.042	1.8
<i>10 Years' Average</i>	<i>929</i>	<i>707</i>	<i>490</i>	<i>722</i>	<i>0.040</i>	<i>1.7</i>
19 1-32 . . .	1,008	707	523	754	0.043	1.9
32-33 . . .	1,551	1,091	808	1,174	0.065	2.8
33-34 . . .	1,924	1,579	1,039	1,556	0.086	3.8
34-35 . . .	1,600	744	340	934	0.052	2.3
35-36 . . .	898	943	697	851	0.049	2.1
<i>5 Years' Average</i>	<i>1,396</i>	<i>1,013</i>	<i>687</i>	<i>1,054</i>	<i>0.059</i>	<i>2.5</i>
32 Years' Average	1,118	723	483	793	0.044	1.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1904-05 . . .	208	141	141	163	0.010	0.4
05-06 . . .	180	131	134	147	0.009	0.4
1906-07 . . .	208	142	147	165	0.010	0.4
07-08 . . .	334	262	136	240	0.015	0.6
08-09 . . .	160	133	79	123	0.008	0.3
09-10 . . .	212	180	101	162	0.010	0.4
10-11 . . .	635	473	193	426	0.026	1.1
<i>7 Years' Average</i>	277	209	133	204	0.013	0.5
1911-12 . . .	336	284	201	271	0.017	0.7
12-13 . . .	485	346	163	326	0.020	0.9
13-14 . . .	333	268	153	248	0.015	0.7
14-15 . . .	852	752	455	679	0.042	1.8
15-16 . . .	408	269	162	276	0.017	0.7
1916-17 . . .	947	643	895	830	0.051	2.2
17-18 . . .	729	531	269	502	0.031	1.3
18-19 . . .	195	152	90	144	0.009	0.4
19-20 . . .	367	275	150	260	0.016	0.7
20-21 . . .	239	207	133	191	0.012	0.5
<i>10 Years' Average</i>	489	373	267	373	0.023	1.0
1921-22 . . .	296	238	133	220	0.014	0.6
22-23 . . .	3,026	512	167	1,201	0.074	3.2
23-24 . . .	257	146	94	162	0.010	0.4
24-25 . . .	297	226	128	214	0.013	0.6
25-26 . . .	353	314	162	273	0.017	0.7
1926-27 . . .	263	230	185	225	0.014	0.6
27-28 . . .	580	508	430	504	0.031	1.3
28-29 . . .	501	393	279	387	0.024	1.0
29-30 . . .	291	282	241	270	0.017	0.7
30-31 . . .	563	561	419	511	0.031	1.4
<i>10 Years' Average</i>	643	341	224	397	0.024	1.1
1931-32 . . .	572	442	271	423	0.026	1.1
32-33 . . .	904	642	467	671	0.041	1.8
33-34 . . .	1,086	962	713	914	0.056	2.4
34-35 . . .	294	390	233	303	0.019	0.8
35-36 . . .	405	302	245	315	0.019	0.8
<i>5 Years' Average</i>	652	548	386	525	0.032	1.4
<i>32 Years' Average</i>	516	354	243	367	0.023	1.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1903-04* . . .	291	138	19	149	0.009	0.4
04-05 . . .	104	41	Nil	48	0.003	0.1
05-06 . . .	63	41	24	43	0.003	0.1
1906-07 . . .	106	83	1,809	666	0.040	1.7
07-08 . . .	121	97	104	107	0.006	0.3
08-09 . . .	71	48	41	53	0.003	0.1
09-10 . . .	121	124	97	114	0.007	0.3
10-11 . . .	164	127	105	132	0.008	0.3
<i>7 ears' Average</i>	<i>107</i>	<i>80</i>	<i>311</i>	<i>166</i>	<i>0.010</i>	<i>0.4</i>
1911-12 . . .	133	119	603	285	0.017	0.7
12-13 . . .	133	122	120	125	0.007	0.3
13-14 . . .	199	147	81	142	0.008	0.4
14-15 . . .	258	174	117	183	0.011	0.5
15-16 . . .	87	66	58	70	0.004	0.2
1916-17 . . .	788	282	192	421	0.025	1.1
17-18 . . .	183	130	121	145	0.009	0.4
18-19 . . .	44	34	64	48	0.003	0.1
19-20 . . .	112	103	101	105	0.006	0.3
20-21 . . .	Nil	214	2,771	995	0.059	2.6
<i>10 Years' Average</i>	<i>194</i>	<i>139</i>	<i>423</i>	<i>252</i>	<i>0.015</i>	<i>0.7</i>
1921-22 . . .	95	90	196	127	0.008	0.3
22-23 . . .	144	270	137	183	0.011	0.5
23-24 . . .	162	437	249	283	0.017	0.7
24-25 . . .	102	100	668	290	0.017	0.8
25-26 . . .	261	198	123	194	0.012	0.5
1926-27 . . .	115	182	14	104	0.006	0.3
27-28 . . .	549	425	417	464	0.028	1.2
28-29 . . .	195	406	783	461	0.027	1.2
29-30 . . .	733	126	96	318	0.019	0.8
30-31 . . .	305	303	308	305	0.018	0.8
<i>10 Years' Average</i>	<i>266</i>	<i>254</i>	<i>299</i>	<i>273</i>	<i>0.016</i>	<i>0.7</i>
1931-32 . . .	213	166	121	167	0.010	0.4
32-33 . . .	414	1,550	1,272	1,079	0.064	2.8
33-34 . . .	536	387	1,089	671	0.040	1.7
34-35 . . .	1,246	596	275	706	0.042	1.8
35-36 . . .	752	323	231	435	0.026	1.1
<i>5 Years' Average</i>	<i>632</i>	<i>604</i>	<i>598</i>	<i>612</i>	<i>0.036</i>	<i>1.6</i>
32 Years' Average	266	235	387	296	0.018	0.8

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A F.</i>	<i>T. M C.</i>
1903-04* . . .	Nil	992	2,742	1,293	0.080	3.5
04-05 . . .	,,	Nil	2,897	1,028	0.063	2.8
05-06 . . .	22	20	13	18	0.001	Nil
1906-07 . . .	2,225	760	662	1,198	0.074	3.2
07-08 . . .	1,531	494	390	792	0.049	2.1
08-09 . . .	34	4,539	1,844	2,130	0.131	5.7
09-10 . . .	112	566	1,762	844	0.052	2.3
10-11 . . .	81	725	1,495	791	0.049	2.1
<i>7 Years' Average</i>	<i>572</i>	<i>1,015</i>	<i>1,295</i>	<i>972</i>	<i>0.060</i>	<i>2.6</i>
1911-12 . . .	2,152	1,318	476	1,288	0.079	3.5
12-13 . . .	133	432	1,999	892	0.055	2.4
13-14 . . .	50	657	822	520	0.032	1.4
14-15 . . .	592	2,087	929	1,194	0.073	3.2
15-16 . . .	76	155	1,400	571	0.035	1.5
1916-17 . . .	181	112	Nil	94	0.006	0.3
17-18 . . .	689	4,815	6,923	4,232	0.260	11.3
18-19 . . .	1,058	2,544	2,504	2,050	0.126	5.5
19-20 . . .	236	115	523	299	0.018	0.8
20-21 . . .	735	146	Nil	284	0.017	0.8
<i>10 Years' Average</i>	<i>590</i>	<i>1,238</i>	<i>1,558</i>	<i>1,142</i>	<i>0.070</i>	<i>3.1</i>
1921-22 . . .	723	897	5,784	2,575	0.158	6.9
22-23 . . .	52	8	681	261	0.016	0.7
23-24 . . .	203	72	577	293	0.018	0.8
24-25 . . .	4,958	7,890	5,213	5,994	0.369	16.1
25-26 . . .	157	1,670	531	778	0.048	2.1
1926-27 . . .	227	82	27	109	0.007	0.3
27-28 . . .	418	1,716	451	848	0.052	2.3
28-29 . . .	4,700	4,200	3,083	3,965	0.244	10.6
29-30 . . .	57	72	1,089	428	0.026	1.1
30-31 . . .	464	383	3,191	1,548	0.095	4.1
<i>10 Years' Average</i>	<i>1,196</i>	<i>1,699</i>	<i>2,103</i>	<i>1,680</i>	<i>0.103</i>	<i>4.5</i>
1931-32 . . .	133	160	2,061	825	0.051	2.2
32-33 . . .	1,021	9,022	6,835	5,665	0.348	15.2
33-34 . . .	702	304	738	586	0.036	1.6
34-35 . . .	189	202	1,363	610	0.038	1.6
35-36 . . .	287	482	7,068	2,756	0.169	7.4
<i>5 Years' Average</i>	<i>466</i>	<i>2,034</i>	<i>3,613</i>	<i>2,088</i>	<i>0.128</i>	<i>5.6</i>
<i>32 Years' Average</i>	<i>756</i>	<i>1,458</i>	<i>1,992</i>	<i>1,421</i>	<i>0.087</i>	<i>3.8</i>

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	1,287	2,448	13,255	5,663	0.337	14.7
37-38 . . .	190	506	4,223	1,640	0.098	4.3
38-39 . . .	2,401	8,561	34,932	15,298	0.910	39.7
39-40 . . .	Nil	254	3,451	1,235	0.073	3.2
40-41 . . .	2,693	7,965	9,932	6,863	0.408	17.8
<i>5 Years' Average</i>	<i>1,314</i>	<i>3,947</i>	<i>13,159</i>	<i>6,140</i>	<i>0.365</i>	<i>15.9</i>
1941-42 . . .	729	33,977	8,911	14,539	0.865	37.7
42-43 . . .	5,686	13,427	5,530	8,214	0.489	21.3
43-44 . . .	4,754	4,994	17,794	9,180	0.546	23.8
44-45 . . .	1,340	1,461	15,936	6,269	0.373	16.2
45-46 . . .	4,193	1,366	6,871	4,143	0.247	10.7
1946-47 . . .	9,962	5,581	19,308	11,617	0.691	30.1
47-48 . . .	1,680	478	6,938	3,032	0.180	7.9
48-49 . . .	2,516	3,892	13,382	6,596	0.392	17.1
49-50 . . .	1,850	6,518	12,018	6,795	0.404	17.6
50-51 . . .	3,809	3,944	11,971	6,574	0.391	17.0
<i>10 Years' Average</i>	<i>3,652</i>	<i>7,564</i>	<i>11,866</i>	<i>7,696</i>	<i>0.458</i>	<i>19.9</i>
1951-52 . . .	13,006	8,613	14,817	12,145	0.723	31.5
52-53 . . .	3,487	1,626	2,437	2,517	0.150	6.5
<i>17 Years' Average</i>	<i>3,505</i>	<i>6,212</i>	<i>11,865</i>	<i>7,195</i>	<i>0.428</i>	<i>18.6</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	60,899	27,726	55,096	48,139	2.960	128.9
37-38 . . .	25,944	54,385	79,485	54,117	3.328	144.9
38-39 . . .	63,486	43,608	43,783	50,082	3.079	134.1
39-40 . . .	15,344	73,691	32,667	40,314	2.479	108.0
40-41 . . .	48,652	47,112	53,315	49,810	3.063	133.4
<i>5 Years' Average</i>	42,865	49,304	52,869	48,492	2.982	129.9
1941-42 . . .	42,959	95,565	14,514	49,835	3.064	133.5
42-43 . . .	60,132	34,653	78,013	58,257	3.582	156.0
43-44 . . .	36,634	91,617	58,537	62,142	3.821	166.4
44-45 . . .	10,376	59,048	195,769	91,861	5.648	246.0
45-46 . . .	11,246	70,450	52,329	44,921	2.762	120.3
1946-47 . . .	61,643	30,946	67,158	53,698	3.302	143.8
47-48 . . .	10,809	31,317	73,572	39,695	2.441	106.3
48-49 . . .	23,283	47,831	54,115	42,142	2.591	112.9
49-50 . . .	11,705	40,997	22,790	25,088	1.543	67.2
50-51 . . .	7,196	29,182	117,224	53,330	3.279	142.8
<i>10 Years' Average</i>	27,598	53,160	73,402	52,097	3.203	139.5
1951-52 . . .	13,860	26,468	73,367	39,043	2.401	104.6
52-53 . . .	22,419	15,940	33,938	24,416	1.501	65.4
<i>17 Years' Average</i>	30,976	48,267	65,040	48,641	2.991	130.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	41,907	38,776	36,254	38,891	2.391	104.2
37-38 . . .	67,408	35,410	11,582	37,277	2.292	99.8
38-39 . . .	34,038	26,328	41,201	34,093	2.096	91.3
39-40 . . .	11,844	44,088	60,588	39,535	2.431	105.9
40-41 . . .	57,427	60,096	85,993	68,424	4.207	183.3
<i>5 Years' Average</i>	<u>42,525</u>	<u>40,940</u>	<u>47,124</u>	<u>43,644</u>	<u>2.684</u>	<u>116.9</u>
1941-42 . . .	15,410	45,609	36,651	32,657	2.008	87.5
42-43 . . .	74,017	22,474	27,403	40,850	2.512	109.4
43-44 . . .	35,911	21,112	12,895	22,970	1.412	61.5
44-45 . . .	51,397	11,492	21,535	27,928	1.717	74.8
45-46 . . .	24,389	13,875	28,511	22,460	1.381	60.2
1946-47 . . .	79,671	89,320	84,453	84,480	5.194	226.3
47-48 . . .	43,553	25,308	75,623	49,047	3.016	131.4
48-49 . . .	37,773	83,479	57,769	59,613	3.665	159.7
49-50 . . .	57,589	27,796	28,179	37,543	2.308	100.6
50-51 . . .	54,366	49,745	32,057	44,956	2.764	120.4
<i>10 Years' Average</i>	<u>47,408</u>	<u>39,021</u>	<u>40,498</u>	<u>42,250</u>	<u>2.598</u>	<u>113.2</u>
1951-52 . . .	30,394	40,059	25,905	31,919	1.963	85.5
52-53 . . .	44,994	41,322	41,132	42,439	2.609	113.7
<i>17 Years' Average</i>	<u>44,829</u>	<u>39,782</u>	<u>41,631</u>	<u>42,064</u>	<u>2.586</u>	<u>112.7</u>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month SEPTEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1936-37 . . .	14,717	15,301	37,229	22,416	1.334	58.1
37-38 . . .	7,028	17,002	30,542	18,191	1.082	47.2
38-39 . . .	27,820	19,071	49,074	31,988	1.903	82.9
39-40 . . .	35,471	17,327	24,312	25,703	1.529	66.6
40-41 . . .	27,931	15,912	10,387	18,077	1.076	46.9
<i>5 Years' Average</i>	22,593	16,923	30,309	23,275	1.385	60.3
1941-42 . . .	20,942	20,336	20,002	20,426	1.215	52.9
42-43 . . .	29,838	11,560	10,835	17,411	1.036	45.1
43-44 . . .	29,585	23,981	24,935	26,167	1.557	67.8
44-45 . . .	12,993	23,738	5,858	14,197	0.845	36.8
45-46 . . .	19,983	14,118	9,378	14,493	0.862	37.6
1946-47 . . .	30,490	20,094	29,120	26,568	1.581	68.9
47-48 . . .	51,869	39,524	39,368	43,554	2.592	
48-49 . . .	25,018	17,879	17,327	20,075	1.195	52.0
49-50 . . .	19,841	19,573	74,188	37,867	2.253	98.2
50-51 . . .	28,562	57,370	25,709	37,214	2.214	96.5
<i>10 Years' Average</i>	26,912	24,817	25,672	25,797	1.535	66.9
1951-52 . . .	23,117	9,113	10,701	14,310	0.852	37.1
52-53 . . .	12,921	5,972	8,052	8,982	0.534	23.3
<i>17 Years' Average</i>	24,596	20,463	25,119	23,391	1.392	60.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

<i>River</i>	TUNGABHADRA	<i>Site</i>	SUNKESALA	<i>Month</i>	OCTOBER	
<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	35,706	12,310	6,465	17,783	1.093	47.6
37-38 . . .	39,300	26,228	4,531	22,746	1.399	60.9
38-39 . . .	43,562	14,563	4,661	20,404	1.255	54.7
39-40 . . .	5,499	19,178	40,796	22,436	1.380	60.1
40-41 . . .	13,257	43,198	9,636	21,631	1.330	57.9
<i>5 Years' Average</i>	27,465	23,095	13,218	21,000	1.291	56.2
1941-42 . . .	27,955	17,155	4,178	16,034	0.986	42.9
42-43 . . .	7,439	17,520	5,780	10,102	0.621	27.1
43-44 . . .	33,096	50,482	23,937	35,455	2.180	95.0
44-45 . . .	12,078	12,045	29,295	18,177	1.118	48.7
45-46 . . .	8,974	6,625	5,343	6,928	0.426	18.6
1946-47 . . .	42,781	10,586	3,308	18,389	1.131	49.3
47-48 . . .	14,372	19,458	11,033	14,828	0.912	39.7
48-49 . . .	12,325	23,654	8,101	14,481	0.890	38.8
49-50 . . .	10,591	22,453	38,067	24,167	1.486	64.7
50-51 . . .	31,202	47,597	10,243	29,054	1.786	77.8
<i>10 Years' Average</i>	20,081	22,758	13,928	18,762	1.154	50.3
1951-52 . . .	36,764	14,781	7,874	19,421	1.194	52.0
52-53 . . .	26,091	41,036	10,449	25,362	1.559	67.9
<i>17 Years' Average</i>	23,588	23,463	13,159	19,847	1.220	53.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936- 7 . . .	8,502	17,212	4,745	10,153	0.604	26.3
37-38 . . .	4,330	2,553	2,199	3,027	0.180	7.8
38-39 . . .	2,599	2,521	2,109	2,410	0.143	6.2
39-40 . . .	18,202	5,868	7,930	10,666	0.635	27.6
40-41 . . .	8,270	4,610	5,754	6,211	0.370	16.1
<i>5 Years' Average</i>	<i>8,381</i>	<i>6,553</i>	<i>4,547</i>	<i>6,493</i>	<i>0.386</i>	<i>16.3</i>
1941-42 . . .	2,254	2,070	2,018	2,114	0.126	5.5
42-43 . . .	3,355	2,548	2,340	2,748	0.164	7.1
43-44 . . .	6,560	6,402	5,132	6,032	0.359	15.6
44-45 . . .	32,512	6,121	2,835	13,822	0.822	35.8
45-46 . . .	2,336	2,292	1,808	2,145	0.128	5.6
1946-47 . . .	14,397	13,908	10,369	12,891	0.767	33.4
47-48 . . .	2,748	2,724	3,105	2,859	0.170	7.4
48-49 . . .	6,091	10,183	13,629	9,968	0.593	25.8
49-50 . . .	6,376	3,176	3,096	4,216	0.251	10.9
50-51 . . .	12,099	7,217	3,049	7,455	0.444	19.3
<i>10 Years' Average</i>	<i>8,873</i>	<i>5,664</i>	<i>4,738</i>	<i>6,425</i>	<i>0.382</i>	<i>16.7</i>
1951-52 . . .	4,630	3,334	3,148	3,704	0.220	9.6
52-53 . . .	3,069	2,608	2,699	2,792	0.166	7.2
<i>17 Years' Average</i>	<i>8,137</i>	<i>5,609</i>	<i>4,469</i>	<i>6,071</i>	<i>0.361</i>	<i>15.7</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	2,599	2,160	2,077	2,272	0.140	6.1
37-38 . . .	2 026	1,919	1,825	1,920	0.118	5.1
38-39 . . .	1,977	1,752	1,512	1,739	0.107	4.7
39-40 . . .	2,709	2,189	1,921	2,261	0.139	6.1
40-41 . . .	3,816	2,372	2,103	2,775	0.171	7.4
<i>5 Years' Average</i>	2,625	2,078	1,888	2,193	0.135	5.9
1941-42 . . .	2,758	2,884	1,921	2,502	0.154	6.7
42-43 . . .	2,188	1,856	2,355	2,140	0.132	5.7
43-44 . . .	2,588	2,193	2,025	2,261	0.139	6.1
44-45 . . .	2,521	2,070	1,943	2,171	0.133	5.8
45-46 . . .	1,910	1,658	1,593	1,716	0.106	4.6
1946-47 . . .	3,615	2,811	2,297	2,888	0.178	7.7
47-48 . . .	5,984	5,055	4,941	5,314	0.327	14.2
48-49 . . .	4,556	2,712	2,227	3,135	0.193	8.4
49-50 . . .	2,527	1,769	1,714	1,994	0.123	5.3
50-51 . . .	2,515	2,220	2,054	2,256	0.139	6.0
<i>10 Years' Average</i>	3,116	2,522	2,307	2,637	0.162	7.1
1951-52 . . .	3,584	2,056	1,823	2,466	0.152	6.6
52-53 . . .	2,145	2,501	2,316	2,647	0.163	7.1
<i>17 Years' Average</i>	2,942	2,422	2,156	2,497	0.154	6.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month JANUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1936-37 . . .	1,760	1,446	1,160	1,446	0.089	3.9
37-38 . . .	1,549	1,252	1,100	1,294	0.080	3.5
38-39 . . .	1,402	1,098	778	1,083	0.067	2.9
39-40 . . .	1,808	1,593	1,273	1,549	0.095	4.1
40-41 . . .	1,844	1,586	1,182	1,529	0.094	4.1
<i>5 Years' Average</i>	<i>1,673</i>	<i>1,395</i>	<i>1,099</i>	<i>1,380</i>	<i>0.085</i>	<i>3.7</i>
1941-42 . . .	1,538	1,346	946	1,266	0.078	3.4
42-43 . . .	1,984	1,862	1,057	1,616	0.099	4.3
43-44 . . .	1,962	1,785	1,414	1,711	0.105	4.6
44-45 . . .	1,758	1,367	1,424	1,515	0.093	4.1
45-46 . . .	1,319	966	808	1,024	0.063	2.7
1946-47 . . .	2,744	2,147	1,711	2,185	0.134	5.9
47-48 . . .	2,198	1,669	1,483	1,774	0.109	4.8
48-49 . . .	2,019	1,807	1,507	1,769	0.109	4.7
49-50 . . .	1,614	1,338	919	1,278	0.079	3.4
50-51 . . .	1,943	1,570	1,161	1,545	0.095	4.1
<i>10 Years' Average</i>	<i>1,908</i>	<i>1,586</i>	<i>1,243</i>	<i>1,568</i>	<i>0.096</i>	<i>4.2</i>
1951-52 . . .	1,635	1,354	1,040	1,333	0.082	3.6
52-53 . . .	1,516	1,240	1,350	1,368	0.084	3.7
<i>17 Years' Average</i>	<i>1,800</i>	<i>1,496</i>	<i>1,195</i>	<i>1,487</i>	<i>0.091</i>	<i>4.0</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	795	874	710	799	0.044	1.9
37-38 . . .	760	477	422	562	0.031	1.4
38-39 . . .	493	314	144	371	0.021	0.9
39-40 . . .	1,111	722	520	803	0.046	2.0
40-41 . . .	1,706	894	551	1,087	0.060	2.6
<i>5 Years' Average</i>	974	656	469	724	0.040	1.8
1941-42 . . .	855	633	462	663	0.037	1.6
42-43 . . .	1,003	604	370	680	0.038	1.6
43-44 . . .	1,176	972	978	1,044	0.060	2.6
44-45 . . .	883	624	489	678	0.038	1.6
45-46 . . .	611	454	344	479	0.027	1.2
1946-47 . . .	1,371	1,203	813	1,152	0.064	2.8
47-48 . . .	1,255	992	653	977	0.056	2.4
48-49 . . .	1,343	1,156	1,008	1,180	0.066	2.9
49-50 . . .	716	610	575	638	0.035	1.5
50-51 . . .	954	781	553	777	0.043	1.9
<i>10 Years' Average</i>	1,016	802	624	826	0.046	2.0
1951-52 . . .	738	575	497	607	0.035	1.5
52-53 . . .	690	521	604	605	0.034	1.5
<i>17 Years' Average</i>	969	730	570	771	0.043	1.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **MARCH**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	490	345	402	412	0.025	1.1
37-38 . . .	322	173	204	235	0.014	0.6
38-39 . . .	82	103	89	91	0.006	0.2
39-40 . . .	493	409	263	384	0.024	1.0
40-41 . . .	557	405	299	417	0.026	1.1
<i>5 Years' Average</i>	389	287	251	308	0.019	0.8
1941-42 . . .	412	428	306	380	0.023	1.0
42-43 . . .	375	300	213	293	0.018	0.8
43-44 . . .	922	1,634	682	1,067	0.066	2.9
44-45 . . .	452	350	302	366	0.023	1.0
45-46 . . .	298	245	617	394	0.024	1.1
1946-47 . . .	1,230	435	286	639	0.039	1.7
47-48 . . .	371	266	216	282	0.017	0.8
48-49 . . .	534	399	314	412	0.025	1.1
49-50 . . .	499	363	282	378	0.023	1.0
50-51 . . .	433	331	482	414	0.025	1.1
<i>10 Years' Average</i>	552	475	370	462	0.028	1.2
1951-52 . . .	336	208	135	223	0.014	0.6
52-53 . . .	417	376	268	351	0.022	0.9
<i>17 Years' Average</i>	484	398	315	396	0.024	1.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

<i>River</i> TUNGABHADRA	<i>Site</i> SUNKESALA				<i>Month</i> APRIL	
<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1936-37 . . .	230	218	1,958	802	0.048	2.1
37-38 . . .	536	269	232	346	0.021	0.9
38-39 . . .	75	71	93	80	0.005	0.2
39-40 . . .	197	208	295	233	0.014	0.6
40-41 . . .	235	230	202	222	0.013	0.6
<i>5 Years' Average</i>	255	199	556	337	0.020	0.9
1941-42 . . .	261	252	237	250	0.015	0.6
42-43 . . .	230	236	196	220	0.013	0.6
43-44 . . .	344	260	204	269	0.016	0.7
44-45 . . .	230	144	961	445	0.026	1.2
45-46 . . .	287	148	191	209	0.012	0.5
1946-47 . . .	209	180	180	190	0.011	0.5
47-48 . . .	391	257	595	414	0.025	1.1
48-49 . . .	386	267	203	285	0.017	0.7
49-50 . . .	213	119	97	143	0.009	0.4
50-51 . . .	454	114	162	243	0.014	0.6
<i>10 Years' Average</i>	300	198	303	266	0.016	0.7
1951-52 . . .	139	115	114	122	0.007	0.3
52-53 . . .	102	80	315	166	0.010	0.4
<i>17 Years' Average</i>	266	186	367	273	0.016	0.7

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1936-37 . . .	1,084	80	368	505	0.031	1.4
37-38 . . .	205	219	3,106	1,239	0.076	3.3
38-39 . . .	77	70	70	72	0.004	0.2
39-40 . . .	2,886	2,915	30,796	12,799	0.787	34.3
40-41 . . .	100	2,106	436	866	0.053	2.3
<i>5 Years' Average</i>	<i>870</i>	<i>1,078</i>	<i>6,955</i>	<i>3,096</i>	<i>0.190</i>	<i>8.3</i>
1941-42 . . .	239	504	330	357	0.022	1.0
42-43 . . .	1,450	1,338	47,668	17,814	1.095	47.7
43-44 . . .	196	491	2,397	1,072	0.066	2.9
44-45 . . .	265	76	1,251	554	0.034	1.5
45-46 . . .	584	424	6,878	2,766	0.170	7.4
1946-47 . . .	151	362	1,004	522	0.032	1.4
47-48 . . .	2,540	6,611	2,181	3,726	0.229	10.0
48-49 . . .	302	282	5,688	2,207	0.136	5.9
49-50 . . .	130	102	87	106	0.007	0.3
50-51 . . .	337	183	2,522	1,063	0.065	2.8
<i>10 Years' Average</i>	<i>619</i>	<i>1,037</i>	<i>7,000</i>	<i>3,018</i>	<i>0.186</i>	<i>8.1</i>
1951-52 . . .	454	1,802	19,002	7,471	0.459	20.0
52-53 . . .	85	74	129	97	0.006	0.3
<i>17 Years' Average</i>	<i>652</i>	<i>1,038</i>	<i>7,289</i>	<i>3,132</i>	<i>0.193</i>	<i>8.4</i>

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1953-54 . . .	520	1,834	781	1,045	0.062	2.7
54-55 . . .	4,589	1,164	1,929	2,561	0.152	6.6
55-56 . . .	3,991	6,498	2,522	4,337	0.258	11.2
1956-57 . . .	1,331	14,530	2,969	6,277	0.374	16.3
57-58 . . .	10,172	5,574	11,938	9,228	0.549	23.9
58-59 . . .	5,196	2,602	2,514	3,437	0.205	8.9
59-60 . . .	6,190	3,268	10,506	6,654	0.396	17.2
60-61 . . .	3,512	3,052	2,567	3,044	0.181	7.9
Years' Average	4,438	4,815	4,466	4,573	0.272	11.8

**MEAN DISCHARGE BY 10 DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M.C.</i>
1953-54 . . .	39,935	110,133	24,652	57,156	3.514	153.1
54-55 . . .	3,624	49,015	75,464	43,758	2.691	117.2
55-56 . . .	25,658	15,794	16,193	19,117	1.175	51.2
1956-57 . . .	73,639	55,164	63,292	64,008	3.936	171.4
57-58 . . .	3,307	77,768	39,274	40,089	2.465	107.4
58-59 . . .	50,290	68,731	60,330	59,801	3.677	160.2
59-60 . . .	64,731	68,207	110,732	82,175	5.053	220.1
60-61 . . .	36,266	52,580	53,268	47,562	2.924	127.4
8 Years' Average	37,181	62,174	55,401	51,708	3.179	138.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	72,134	79,594	64,289	71,757	4.412	192.3
54-55 . . .	56,736	81,332	37,993	58,019	3.567	155.4
55-56 . . .	26,218	53,626	35,706	38,426	2.363	102.9
1956-57 . . .	71,313	49,504	34,617	51,257	3.152	137.3
57-58 . . .	20,536	17,769	41,713	27,158	1.678	72.7
58-59 . . .	16,114	5,860	56,465	27,124	1.668	72.6
59-60 . . .	41,287	47,501	48,642	45,901	2.822	122.9
60-61 . . .	122,200	64,373	62,068	82,209	5.055	220.2
8 Years' Average	53,317	49,945	47,687	50,231	3.089	134.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1953-54 . . .	24,995	21,731	22,831	23,186	1.380	60.1
54-55 . . .	20,068	9,168	11,055	13,430	0.799	34.8
55-56 . . .	34,580	34,825	75,400	48,268	2.872	125.1
1956-57 . . .	15,350	14,562	20,703	16,872	1.004	43.7
57-58 . . .	17,604	20,149	3,811	13,855	0.824	35.9
58-59 . . .	39,728	25,127	29,855	31,570	1.879	81.8
59-60 . . .	57,417	37,133	66,111	53,553	3.187	138.8
60-61 . . .	46,410	55,995	105,335	69,246	4.120	179.5
8 Years Average	32,019	27,336	41,888	33,748	2.008	87.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	42,321	36,614	46,289	41,888	2.576	112.2
54-55 . . .	13,185	9,173	12,492	11,645	0.716	31.2
55-56 . . .	44,260	22,875	40,539	36,041	2.216	96.5
1956-57 . . .	55,589	59,408	28,696	47,278	2.907	126.6
57-58 . . .	13,079	8,676	24,430	15,686	0.964	42.0
58-59 . . .	9,098	21,928	3,294	11,177	0.687	29.9
59-60 . . .	30,948	6,521	5,657	14,101	0.867	37.8
60-61 . . .	57,215	19,497	18,680	31,374	1.929	84.0
8 Years' Average	33,212	23,086	22,510	26,149	1.608	70.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A F.</i>	<i>T. M. C.</i>
1953-54 . . .	44,593	12,838	7,194	21,542	1.282	55.8
54-55 . . .	7,731	4,278	4,168	5,392	0.321	14.0
55-56 . . .	20,750	5,384	3,179	9,777	0.582	25.3
1956-57 . . .	43,917	29,248	9,062	27,409	1.631	71.0
57-58 . . .	8,191	89,736	24,367	40,765	2.426	105.7
58-59 . . .	2,584	5,402	3,810	3,932	0.234	10.2
59-60 . . .	4,353	4,737	4,045	4,378	0.261	11.3
60-61 . . .	29,229	29,778	26,807	28,604	1.702	74.1
8 Years' Average	20,168	22,675	10,329	17,725	1.055	45.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **DECEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	5,621	4,486	3,368	4,455	0.274	11.9
54-55 . . .	5,126	2,929	2,514	3,491	0.215	9.4
55-56 . . .	3,220	2,343	1,995	2,502	0.154	6.7
1956-57 . . .	7,464	3,684	3,153	4,715	0.290	12.6
57-58 . . .	8,889	3,280	3,170	5,050	0.311	13.5
58-59 . . .	2,440	1,930	2,103	2,156	0.133	5.8
59-60 . . .	4,309	4,584	3,374	4,066	0.250	10.9
60-61 . . .	11,019	9,467	7,386	9,229	0.567	24.7
8 Years' Average	6,011	4,088	3,383	4,458	0.274	11.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **JANUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month:</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	3,081	3,012	2,675	2,915	0.179	7.8
54-55 . . .	2,437	2,198	4,263	3,008	0.185	8.1
55-56 . . .	2,272	3,505	4,666	3,519	0.216	9.4
1956-57 . . .	2,723	3,924	3,836	3,505	0.216	9.4
57-58 . . .	2,740	2,191	1,693	2,192	0.135	5.9
58-59 . . .	1,959	2,010	2,456	2,152	0.132	5.8
59-60 . . .	3,248	4,938	4,058	4,081	0.251	10.9
60-61 . . .	2,643	2,289	5,998	3,719	0.229	10.0
8 Years' Average	2,638	3,008	3,706	3,136	0.193	8.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **FEBRUARY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	2,638	3,880	4,227	3,535	0.196	8.6
54-55 . . .	5,107	5,298	5,295	5,229	0.290	12.6
55-56 . . .	4,361	3,622	2,282	3,461	0.199	8.7
1956-57 . . .	4,019	4,179	4,903	4,329	0.240	10.5
57-58 . . .	3,857	5,000	4,741	4,518	0.251	10.9
58-59 . . .	6,828	6,336	3,518	5,707	0.317	13.8
59-60 . . .	4,863	5,178	5,108	5,048	0.290	12.6
60-61 . . .	7,711	5,763	4,646	6,139	0.341	14.9
8 Years Average	4,923	4,907	4,340	4,746	0.264	11.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River TUNGABHADRA

Site SUNKESALA

Month MARCH

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. O.
1953-54	4,227	3,740	2,843	3,579	0.220	9.6
54-55	5,579	4,855	5,085	5,170	0.318	13.8
55-56	3,076	2,767	4,798	3,537	0.221	9.6
1956-57	5,369	5,485	5,278	5,374	0.330	14.4
57-58	5,008	3,629	4,624	4,427	0.272	11.9
58-59	2,795	2,785	2,789	2,790	0.172	7.5
59-60	5,262	5,641	4,841	5,235	0.322	14.0
60-61	6,764	5,527	4,146	5,436	0.334	14.6
8 Years' Average	4,760	4,304	4,300	4,450	0.274	11.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **APRIL**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	1,554	1,710	1,645	1,303	0.078	3.4
54-55 . . .	5,259	2,928	3,738	3,975	0.237	10.3
55-56 . . .	5,425	5,186	4,198	4,937	0.294	12.8
1956-57 . . .	5,475	4,782	3,866	4,707	0.280	12.2
57-58 . . .	3,926	3,771	3,105	3,601	0.214	9.3
58-59 . . .	3,739	4,144	3,299	3,728	0.222	9.7
59-60 . . .	3,227	3,958	3,656	3,613	0.215	9.4
60-61 . . .	7,353	5,990	2,726	5,356	0.319	13.9
8 Years' Average	4,495	4.059	3,154	3,902	0.232	10.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 53

River **TUNGABHADRA**

Site **SUNKESALA**

Month **MAY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs).</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1953-54 . . .	556	783	201	503	0.031	1.3
54-55 . . .	1,925	1,941	12,001	5,506	0.339	14.7
55-56 . . .	3,265	1,798	4,980	3,400	0.209	9.1
1956-57 . . .	2,291	2,207	4,427	3,022	0.186	8.1
57-58 . . .	3,844	4,660	5,823	4,745	0.292	12.7
58-59 . . .	3,116	2,779	3,844	3,265	0.201	8.8
59-60 . . .	3,275	4,277	7,739	5,182	0.319	13.9
60-61 . . .	4,500	4,574	3,901	4,316	0.265	11.6
8 Years' Average	2,822	2,877	5,364	3,742	0.230	10.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **JUNE**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	481	1,878	1,935	1,431	0.085	3.7
48-49 . . .	(3,514)	3,957	12,531	6,667	0.397	17.3
49-50 . . .	8,095	10,286	12,601	10,885	0.648	28.2
50-51 . . .	1,711	7,331	7,128	6,310	0.375	16.4
1951-52 . . .						
52-53 . . .	(3,514)	(4,912)	12,413	6,946	0.413	18.0
53-54 . . .	70	70	9,875	3,338	0.199	8.7
54-55 . . .	9,544	8,073	7,763	8,460	0.503	21.9
55-56 . . .	688	6,445	23,657	10,263	0.611	26.6
1956-57 . . .						
57-58 . . .						
58-59 . . .	(3,514)	(4,912)	(11,572)	(6,666)	(0.397)	(17.3)
59-60 . . .	3,323	2,719	23,183	9,742	0.580	25.3
60-61 . . .	1,375	4,980	16,721	7,692	0.458	19.9
10 Years' Average	3,514	4,912	11,572	6,814	0.406	17.7

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **JULY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1946-47 . . .						
47-48 . . .	4,599	28,578	34,324	22,882	1.407	61.3
48-49 . . .	23,696	13,972	20,530	19,436	1.195	52.1
49-50 . . .	4,168	29,728	11,921	15,164	0.932	40.6
50-51 . . .	12,091	29,652	60,597	34,968	2.150	93.7
1951-52 . . .						
52-53 . . .	8,448	8,621	24,835	14,318	0.880	38.3
53-54 . . .	66,904	10,793	24,174	33,642	2.069	90.1
54-55 . . .	30,181	40,320	13,407	27,500	1.691	73.7
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	45,900	68,623	40,922	51,464	3.164	137.8
59-60 . . .	75,880	52,225	68,335	65,572	4.032	175.6
60-61 . . .	39,079	7,033	34,575	27,143	1.669	72.7
10 Years' Average	31,095	28,954	33,362	31,209	1.919	83.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **AUGUST**

<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cu-ecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	9,681	14,786	38,404	21,520	1.323	57.6
48-49 . . .	21,792	39,430	31,766	31,021	1.907	83.1
49 . . .	36,591	18,671	11,329	21,847	1.343	58.5
50-51 . . .	33,076	20,562	14,055	22,290	1.371	59.7
1951-52 . . .						
52-53 . . .	25,057	25,024	21,527	23,793	1.463	63.7
53-54 . . .	34,255	59,383	13,476	34,984	2.151	93.7
54-55 . . .	45,523	25,263	9,831	26,323	1.619	70.5
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	16,318	25,581	34,393	25,720	1.581	68.9
59-60 . . .	30,447	20,361	35,108	28,847	1.774	77.3
60-61 . . .	44,098	20,586	13,946	25,814	1.587	69.1
10 Years' Average	29 684	26 965	22 384	26,216	1.612	70.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

River **TUNGA**

Site **TUNGA ANICUT**

Month **SEPTEMBER**

(TUNGABHADRA)

(SACREBYLE)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47						
47-48	19,106	11,291	11,247	13,882	0.826	36.0
48-49	19,577	9,444	11,978	13,666	0.813	35.4
49-50	13,127	10,444	16,400	13,323	0.793	34.5
50-51	25,566	40,829	20,347	28,914	1.721	74.9
1951-52						
52-53	7,093	3,700	3,224	4,673	0.278	12.1
53-54	8,316	8,077	4,169	6,854	0.408	17.8
54-55	14,856	7,115	6,934	9,635	0.573	25.0
55-56						
1956-57						
57-58						
58-59	18,631	13,651	8,038	13,440	0.800	34.8
59-60	30,668	17,071	14,298	20,679	1.230	53.6
60-61	7,396	7,040	16,668	10,368	0.617	26.9
10 Years' Average	16,434	12,866	11,350	13,543	0.806	35.1

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

**River TUNGA
(TUNGABHADRA)**

**Site TUNGA ANICUT
(SACREBYLE)**

Month OCTOBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	5,316	4,128	4,332	4,584	0.282	12.3
48-49 . . .	8,916	9,540	3,854	7,321	0.450	19.6
49-50 . . .	7,864	5,747	9,239	7,669	0.472	20.5
50-51 . . .	23,778	26,165	6,088	18,271	1.123	48.9
1951-52 . . .						
52-53 . . .	6,866	6,170	3,224	5,349	0.329	14.3
53-54 . . .	4,508	4,928	5,973	5,163	0.317	13.8
54-55 . . .	4,892	4,156	4,217	4,415	0.271	11.8
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	7,695	4,960	3,484	5,318	0.327	14.2
59-60 . . .	9,742	5,345	6,447	7,155	0.440	19.2
60-61 . . .	8,845	4,886	7,422	7,063	0.434	18.9
10 Years' Average	8,842	7,602	5,428	7,231	0.444	19.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **NOVEMBER**

<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47 . . .						
47-48 . . .	3,755	4,014	2,841	3,537	0.210	9.2
48-49 . . .	5,558	4,076	4,357	4,663	0.277	12.1
49-50 . . .	7,614	2,133	1,843	3,864	0.230	10.0
50-51 . . .	1,320	2,092	(2,709)	2,040	0.121	5.3
1951-52 . . .						
52-53 . . .	1,758	(3,003)	(2,709)	(2,490)	0.148	6.5
53-54 . . .	3,870	2,913	2,436	3,073	0.183	8.0
54-55 . . .	2,596	2,176	1,124	1,965	0.117	5.1
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	1,908	1,456	2,665	2,009	0.120	5.2
59-60 . . .	4,495	3,885	2,870	3,750	0.223	9.7
60-61 . . .	5,324	4,282	3,537	4,381	0.261	11.4
10 Years' Average	3,820	3,003	2,709	3,177	0.189	8.2

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **DECEMBER**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T.M.C.
1946-47 . . .						
47-48 . . .	2,229	1,990	1,642	1,943	0.119	5.2
48-49 . . .	2,930	2,481	2,440	2,692	0.166	7.2
49-50 . . .	1,451	1,211	1,134	1,261	0.078	3.4
50-51 . . .	(2,103)	(1,846)	(1,487)	(1,802)	(0.111)	(4.8)
1951-52 . . .						
52-53 . . .	(2,103)	(1,846)	(1,487)	(1,802)	(0.111)	(4.8)
53-54 . . .	2,080	1,617	1,503	1,726	0.106	4.6
54-55 . . .	1,062	1,502	937	1,160	0.071	3.1
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	1,595	903	690	1,050	0.065	2.8
59-60 . . .	2,882	2,695	1,472	2,321	0.143	6.2
60-61 . . .	2,593	2,366	2,077	2,337	0.144	6.3
10 Years' Average	2,103	1,846	1,487	1,809	0.111	4.8

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

<i>River</i> TUNGA (TUNGABHADRA)	<i>Site</i> TUNGA ANICUT (SACREBYLE)				<i>Month</i> JANUARY	
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47* . . .	1,285	873	608	396	0.055	2.4
47-48 . . .	1,361	1,130	920	1,130	0.069	3.0
48-49 . . .	(1,109)	(1,032)	(873)	(1,000)	(0.061)	(2.7)
49-50 . . .	1,085	1,380	1,332	1,321	0.081	3.5
50-51 . . .	(1,109)	(1,032)	(873)	(1,000)	(0.061)	(2.7)
1951-52 . . .						
52-53 . . .	(1,109)	(1,032)	(873)	(1,000)	(0.061)	(2.7)
53-54 . . .	1,502	1,524	1,389	1,469	0.090	3.9
54-55 . . .	468	450	243	383	0.024	1.0
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	394	325	240	317	0.019	0.8
59-60 . . .	1,347	1,264	1,083	1,226	0.075	3.3
60-61 . . .	1,605	1,153	907	1,211	0.074	3.2
10 Years' Average	1,109	1,032	873	1,006	0.062	2.7

* Not considered for calculating the average.

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 54

River **TUNGA**
(TUNGABH DRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **FEBRUARY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1946-47* . . .	524	474	434	481	0.027	1.2
47-48 . . .	791	736	727	752	0.043	1.9
48-49 . . .	(654)	(561)	(537)	(587)	(0.033)	(1.4)
49-50 . . .	(654)	(561)	(537)	(587)	(0.033)	(1.4)
50-51 . . .	(654)	(561)	(537)	(587)	(0.033)	(1.4)
1951-52 . . .						
52-53 . . .	(654)	(561)	(537)	(587)	(0.033)	(1.4)
53-54 . . .	1,177	942	1,005	1,044	0.058	2.5
54-55 . . .	227	199	106	183	0.010	0.4
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	175	134	121	145	0.008	0.4
59-60 . . .	902	843	905	883	0.051	2.2
60-61 . . .	651	513	359	518	0.029	1.3
10 Years' Average	654	561	537	587	0.033	1.4

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

**River TUNGA
(TUNGABHADRA)**

**Site TUNGA ANICUT
(SACREBYLE)**

Month MARCH

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47* . . .	636	622	553	602	0.037	1.6
47-48 . . .	706	687	681	695	0.043	1.9
48-49 . . .	(468)	(304)	(256)	(340)	(0.021)	(0.9)
49-50 . . .	(468)	(304)	(256)	(340)	(0.021)	(0.9)
50-51 . . .	(468)	(304)	(256)	(340)	(0.021)	(0.9)
1951-52 . . .						
52-53 . . .	(468)	(304)	(256)	(340)	(0.021)	(0.9)
53-54 . . .	898	552	289	570	0.035	1.5
54-55 . . .	107	110	110	109	0.007	0.3
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	124	90	152	123	0.008	0.3
59-60 . . .	721	222	174	366	0.023	1.0
60-61 . . .	255	163	127	180	0.011	0.5
10 Years' Average	468	304	256	340	0.021	0.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

<i>River</i> TUNGA (TUNGABHADRA)	<i>Site</i> TUNGA ANICUT (SACREBYLE)	<i>Month</i> APRIL				
<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47* . . .	498	453	452	468	0.028	1.2
47-48 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
48-49 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
49-50 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
50-51 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
1951-52 . . .						
52-53 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
53-54 . . .	231	294	776	434	0.026	1.1
54-55 . . .	198	638	596	477	0.028	1.2
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	132	42	42	72	0.004	0.2
59-60 . . .	358	506	581	481	0.029	1.2
60-61 . . .	(230)	(370)	(499)	(366)	(0.022)	(0.9)
10 Years' Average	230	370	499	366	0.022	0.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 54

River **TUNGA**
(TUNGABHADRA)

Site **TUNGA ANICUT**
(SACREBYLE)

Month **MAY**

<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1946-47* . . .	417	412	408	412	0.025	1.1
47-48 . . .	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
48-49 . . .	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
49-50 . . .	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
50-51 . . .	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
1951-52 . . .						
52-53 . . .	Nil	Nil	Nil	Nil	Nil	Nil
53-54 . . .	373	233	282	295	0.018	0.8
54-55 . . .	304	1,798	5,542	2,645	0.163	7.1
55-56 . . .						
1956-57 . . .						
57-58 . . .						
58-59 . . .	42	42	42	42	0.003	0.1
59-60 . . .	488	239	361	363	0.022	1.0
60-61 . . .	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
10 Years' Average	241	462	1,245	668	0.041	1.8

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **JUNE**

(TUNGABHADRA)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1930-31 . . .	97	243	8,478	2,939	0.175	7.6
1931-32 . . .	275	767	1,646	896	0.053	2.3
32-33 . . .	740	3,014	1,804	1,853	0.110	4.8
33-34 . . .	5,896	11,523	6,841	8,086	0.481	21.0
34-35 . . .	129	1,039	7,695	2,954	0.176	7.7
35-36 . . .	60	1,844	1,682	1,195	0.071	3.1
1936-37 . . .	482	1,834	14,402	5,573	0.332	14.4
37-38 . . .	122	782	6,129	2,344	0.139	6.1
38-39 . . .	184	7,788	8,129	5,721	0.340	14.8
39-40 . . .	75	761	3,194	1,343	0.080	3.5
40-41 . . .	153	550	13,969	4,891	0.291	12.7
<i>11 Years' Average</i>	838	2,740	6,724	3,436	0.204	8.9
1941-42 . . .	7,739	7,296	4,116	6,384	0.380	16.5
42-43 . . .	141	1,087	8,665	3,297	0.196	8.5
43-44 . . .	1,170	5,602	6,209	4,327	0.257	11.2
44-45 . . .	426	3,011	2,348	1,928	0.115	5.0
45-46 . . .	210	4,139	1,592	1,980	0.118	5.1
1946-47 . . .	666	3,020	11,786	5,157	0.307	13.4
47-48 . . .	373	902	995	756	0.045	2.0
48-49 . . .	120	3,508	7,091	3,573	0.213	9.3
49-50 . . .	2,760	1,235	5,286	3,094	0.184	8.0
50-51 . . .	1,394	2,306	2,989	2,229	0.133	5.8
<i>10 Years' Average</i>	1,500	3,211	5,108	3,272	0.195	8.5
1951-52 . . .	786	6,448	4,587	3,940	0.234	10.2
52-53 . . .	420	1,137	6,715	2,758	0.164	7.1
53-54 . . .	65	209	5,914	2,063	0.123	5.3
54-55 . . .	7,057	4,374	3,415	4,949	0.294	12.8
55-56 . . .	858	2,199	11,868	4,975	0.296	12.9
1956-57 . . .	3,559	1,918	15,316	6,931	0.412	18.0
57-58 . . .	871	1,715	2,961	1,849	0.110	4.8
58-59 . . .	272	198	2,382	951	0.057	2.5
59-60 . . .	(200)	(200)	(200)	(200)	(0.012)	(0.5)
60-61 . . .	(200)	(200)	(200)	(200)	(0.012)	(0.5)
<i>10 Years' Average</i>	1,429	1,860	5,356	2,882	0.171	7.5
31 Years' Average	1,242	2,608	5,761	3,204	0.191	8.3

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **JULY**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	N.A.	11,338	10,832	N.A.	N.A.	N.A.
30-31 . . .	8,541	6,919	8,901	8,145	0.501	21.8
1931-32 . . .	9,448	10,548	5,120	8,267	0.508	22.1
32-33 . . .	10,254	13,466	22,090	15,490	0.952	41.5
33-34 . . .	9,811	16,172	12,412	12,786	0.786	34.2
34-35 . . .	14,898	4,379	6,148	8,400	0.516	22.5
35-36 . . .	13,870	10,934	13,302	12,721	0.782	34.1
1936-37 . . .	9,197	12,769	11,249	11,077	0.681	29.7
37-38 . . .	5,258	18,598	20,393	14,931	0.918	40.0
38-39 . . .	15,385	9,706	8,014	10,937	0.672	29.3
39-40 . . .	6,770	22,995	6,121	11,773	0.724	31.5
40-41 . . .	12,932	17,368	14,140	14,792	0.910	39.6
<i>11 Years' Average</i>	<i>10,579</i>	<i>13,078</i>	<i>11,626</i>	<i>11,756</i>	<i>0.723</i>	<i>31.5</i>
1941-42 . . .	18,454	17,351	8,594	12,825	0.789	34.4
42-43 . . .	15,074	12,414	22,718	16,928	1.041	45.3
43-44 . . .	10,033	31,009	15,765	18,833	1.158	50.4
44-45 . . .	5,342	17,336	19,993	14,410	0.886	38.6
45-46 . . .	13,230	13,865	10,061	12,310	0.757	33.0
1946-47 . . .	16,136	6,046	19,018	13,904	0.855	37.2
47-48 . . .	3,617	17,338	16,547	12,631	0.777	33.8
48-49 . . .	11,965	14,125	10,970	12,308	0.757	33.0
49-50 . . .	3,937	14,856	6,822	8,483	0.522	22.7
50-51 . . .	4,694	11,881	32,945	17,037	1.048	45.6
<i>10 Years' Average</i>	<i>10,248</i>	<i>15,622</i>	<i>15,843</i>	<i>13,967</i>	<i>0.859</i>	<i>37.4</i>
1951-52 . . .	2,760	5,283	21,781	10,323	0.635	27.6
52-53 . . .	4,067	3,989	11,902	6,822	0.419	18.3
53-54 . . .	35,865	6,130	14,361	18,643	1.146	49.9
54-55 . . .	16,538	17,547	7,657	13,712	0.843	36.7
55-56 . . .	6,541	4,416	4,302	5,061	0.311	13.6
1956-57 . . .	20,692	10,388	14,233	15,076	0.927	40.4
57-58 . . .	15,868	22,797	6,303	14,709	0.904	39.4
58-59 . . .	20,992	29,310	18,245	22,701	1.396	60.8
59-60 . . .	31,126	24,468	30,136	28,627	1.760	76.7
60-61 . . .	4,088	4,281	9,964	6,235	0.383	16.7
<i>10 Years' Average</i>	<i>15,854</i>	<i>12,861</i>	<i>13,888</i>	<i>14,191</i>	<i>0.872</i>	<i>38.0</i>
31 Years' Average	12,174	13,829	13,716	13,255	0.815	35.5

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **AUGUST**

(TUNGABHADRA)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	5,974	5,490	10,026	7,256	0.446	19.4
30-31 . . .	16,826	4,868	2,333	7,826	0.481	21.0
1931-32 . . .	16,494	30,345	18,233	21,579	1.327	57.8
32-33 . . .	19,677	5,880	6,171	10,434	0.642	28.0
33-34 . . .	19,060	8,457	5,702	10,900	0.670	29.2
34-35 . . .	6,841	21,458	7,186	11,679	0.718	31.3
35-36 . . .	9,522	4,360	7,707	7,213	0.444	19.3
1936-37 . . .	11,881	11,688	5,128	9,423	0.579	25.2
37-38 . . .	17,210	4,879	2,753	8,102	0.498	21.7
38-39 . . .	4,540	4,769	7,935	5,819	0.358	15.6
39-40 . . .	2,648	8,116	13,031	8,096	0.498	21.7
40-41 . . .	10,084	18,388	19,599	16,139	0.992	43.2
<i>11 Years' Average</i>	<i>12,253</i>	<i>11,201</i>	<i>8,707</i>	<i>10,655</i>	<i>0.655</i>	<i>28.5</i>
1941-42 . . .	10,693	14,182	7,146	10,560	0.649	28.3
42-43 . . .	15,813	6,243	10,552	10,859	0.668	29.1
43-44 . . .	8,447	5,809	3,837	5,960	0.366	16.0
44-45 . . .	8,913	4,012	6,261	6,391	0.393	17.1
45-46 . . .	4,542	6,527	6,367	5,830	0.358	15.6
1946-47 . . .	24,504	22,302	21,064	22,573	1.388	60.5
47-48 . . .	5,428	10,546	23,346	13,437	0.826	36.0
48-49 . . .	11,637	26,393	14,916	17,561	1.080	47.0
49-50 . . .	19,093	9,407	5,382	11,103	0.683	29.7
50-51 . . .	14,105	8,850	6,229	9,616	0.591	25.8
<i>10 Years' Average</i>	<i>12,318</i>	<i>11,427</i>	<i>10,510</i>	<i>11,389</i>	<i>0.700</i>	<i>30.5</i>
1951-52 . . .	14,257	7,227	5,843	9,004	0.554	24.1
52-53 . . .	10,825	11,806	9,795	10,776	0.663	28.9
53-54 . . .	18,608	27,751	9,007	18,151	1.116	48.6
54-55 . . .	31,915	12,739	5,572	16,381	1.007	43.9
55-56 . . .	7,175	4,130	7,995	6,484	0.399	17.4
1956-57 . . .	17,164	14,030	5,026	11,846	0.728	31.7
57-58 . . .	4,760	5,412	15,949	8,941	0.550	23.9
58-59 . . .	7,269	9,050	15,065	10,610	0.652	28.4
59-60 . . .	12,072	9,814	13,259	11,765	0.723	31.5
60-61 . . .	20,513	10,638	6,975	12,524	0.770	33.5
<i>10 Years' Average</i>	<i>14,456</i>	<i>11,260</i>	<i>9,449</i>	<i>11,648</i>	<i>0.716</i>	<i>31.2</i>
31 Years' Average	12,984	11,293	9,528	11,212	0.689	30.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **SEPTEMBER**

(TUNGABHADRA)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	4,879	3,194	4,522	4,198	0.250	10.9
30-31 . . .	3,375	7,889	2,948	4,737	0.282	12.3
1931-32 . . .	8,078	6,732	3,688	6,166	0.367	16.0
32-33 . . .	11,226	5,994	4,500	7,240	0.431	18.8
33-34 . . .	8,731	10,474	7,122	8,776	0.522	22.7
34-35 . . .	3,378	2,390	2,027	2,598	0.155	6.7
35-36 . . .	7,779	10,247	3,232	7,086	0.422	18.4
1936-37 . . .	4,665	3,213	4,055	3,978	0.237	10.3
37-38 . . .	2,478	3,695	1,713	2,628	0.156	6.8
38-39 . . .	3,555	2,153	5,003	3,570	0.212	9.3
39-40 . . .	5,329	2,165	2,221	3,238	0.193	8.4
40-41 . . .	5,364	3,391	3,331	4,028	0.240	10.4
<i>11 Years' Average</i>	<i>5,814</i>	<i>5,304</i>	<i>3,622</i>	<i>4,913</i>	<i>0.292</i>	<i>12.7</i>
1941-42 . . .	5,516	3,509	3,403	4,142	0.246	10.7
42-43 . . .	8,572	4,255	2,760	5,196	0.309	13.5
43-44 . . .	8,852	6,768	5,281	6,967	0.415	18.1
44-45 . . .	2,178	2,016	1,353	1,849	0.110	4.8
45-46 . . .	3,960	2,845	2,904	3,236	0.193	8.4
1946-47 . . .	9,891	5,464	4,741	6,699	0.399	17.4
47-48 . . .	10,011	5,965	5,622	7,200	0.428	18.7
48-49 . . .	7,719	3,979	4,168	5,289	0.315	13.7
49-50 . . .	5,677	4,138	6,490	5,435	0.323	14.1
50-51 . . .	9,631	16,337	7,591	11,186	0.666	29.0
<i>10 Years' Average</i>	<i>7,201</i>	<i>5,528</i>	<i>4,431</i>	<i>5,720</i>	<i>0.340</i>	<i>14.8</i>
1951-52 . . .	2,216	2,210	5,246	3,224	0.192	8.4
52-53 . . .	2,669	1,429	1,312	1,803	0.107	4.7
53-54 . . .	4,627	3,639	3,119	3,795	0.226	9.8
54-55 . . .	7,380	3,860	4,318	5,186	0.309	13.4
55-56 . . .	7,851	4,647	5,651	6,050	0.360	15.7
1956-57 . . .	4,350	2,906	4,218	3,825	0.228	9.9
57-58 . . .	4,648	3,518	2,431	3,533	0.210	9.2
58-59 . . .	9,410	6,687	4,248	6,781	0.403	17.6
59-60 . . .	12,543	7,170	8,347	9,354	0.557	24.2
60-61 . . .	2,156	1,812	4,655	2,874	0.171	7.4
<i>10 Years' Average</i>	<i>5,785</i>	<i>3,788</i>	<i>4,354</i>	<i>4,642</i>	<i>0.276</i>	<i>12.0</i>
31 Years' Average	6.252	4.887	4.119	5.086	0.303	13.2

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **OCTOBER**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	4,669	2,925	1,876	3,115	0.192	8.3
30-31 . . .	4,570	7,033	2,818	4,743	0.292	12.7
1931-32 . . .	3,099	2,362	1,735	2,377	0.146	6.4
32-33 . . .	4,641	4,390	6,159	5,098	0.313	13.7
33-34 . . .	9,008	10,399	4,068	7,704	0.474	20.6
34-35 . . .	1,747	4,333	1,312	2,427	0.149	6.5
35-36 . . .	3,882	3,060	3,753	3,571	0.220	9.6
1936-37 . . .	7,068	2,926	2,276	4,022	0.248	10.8
37-38 . . .	9,038	3,384	2,085	4,747	0.292	12.7
38-39 . . .	5,742	2,229	1,374	3,056	0.188	8.2
39-40 . . .	1,587	6,359	3,529	3,816	0.235	10.2
40-41 . . .	2,972	3,469	4,588	3,705	0.228	9.9
<i>11 Years' Average</i>	<i>4,850</i>	<i>4,540</i>	<i>3,063</i>	<i>4,116</i>	<i>0.253</i>	<i>11.0</i>
1941-42 . . .	8,193	3,302	1,947	4,399	0.270	11.8
42-43 . . .	3,398	5,078	1,812	3,377	0.208	9.0
43-44 . . .	6,680	8,972	5,193	6,892	0.424	18.5
44-45 . . .	2,154	1,885	3,781	2,645	0.163	7.1
45-46 . . .	1,697	1,864	1,205	1,576	0.097	4.2
1946-47 . . .	5,182	2,821	2,062	3,313	0.204	8.9
47-48 . . .	3,474	3,838	2,217	3,145	0.193	8.4
48-49 . . .	3,642	4,074	2,122	3,242	0.199	8.7
49-50 . . .	3,166	2,338	3,695	3,087	0.190	8.3
50-51 . . .	5,346	6,350	2,370	4,614	0.284	12.4
<i>10 Years' Average</i>	<i>4,293</i>	<i>4,052</i>	<i>2,640</i>	<i>3,629</i>	<i>0.223</i>	<i>9.7</i>
1951-52 . . .	6,792	2,835	1,661	3,695	0.227	9.9
52-53 . . .	5,373	5,463	1,801	4,135	0.254	11.1
53-54 . . .	3,779	6,482	6,048	5,456	0.335	14.6
54-55 . . .	2,961	3,834	2,981	3,249	0.200	8.7
55-56 . . .	6,852	3,410	5,018	5,099	0.314	13.7
1956-57 . . .	7,647	5,793	3,450	5,366	0.330	14.4
57-58 . . .	2,723	2,489	2,989	2,742	0.169	7.3
58-59 . . .	3,758	3,930	2,668	3,426	0.211	9.2
59-60 . . .	6,051	3,201	3,363	4,178	0.257	11.2
60-61 . . .	7,461	1,838	1,982	3,703	0.228	9.9
<i>10 Years' Average</i>	<i>5,340</i>	<i>3,928</i>	<i>3,196</i>	<i>4,105</i>	<i>0.252</i>	<i>11.0</i>
31 Years' Average	4,828	4,185	2,970	3,955	0.243	10.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

**River BHADRA
(TUNGABHADRA)**

Site LAKKAVALLI

Month NOVEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	1,374	1,525	974	1,291	0.077	3.3
30-31 . . .	2,124	1,372	1,040	1,512	0.090	3.9
1931-32 . . .	2,308	2,074	1,244	1,875	0.204	4.9
32-33 . . .	5,579	2,566	2,161	3,435	0.126	8.9
33-34 . . .	2,421	2,026	1,524	1,990	0.118	5.2
34-35 . . .	1,666	891	706	1,088	0.065	2.8
35-36 . . .	1,803	1,285	1,066	1,384	0.082	3.6
1936-37 . . .	2,042	1,839	1,188	1,690	0.101	4.4
37-38 . . .	1,642	1,224	1,028	1,298	0.077	3.4
38-39 . . .	1,222	878	707	936	0.056	2.4
39-40 . . .	2,670	2,097	1,577	2,115	0.126	5.5
40-41 . . .	2,361	3,050	2,068	2,493	0.148	6.5
<i>11 Years' Average</i>	<i>2,349</i>	<i>1,755</i>	<i>1,301</i>	<i>1,801</i>	<i>0.107</i>	<i>4.7</i>
1941-42 . . .	1,505	1,240	1,155	1,300	0.077	3.4
42-43 . . .	1,413	1,137	1,078	1,209	0.072	3.1
43-44 . . .	2,687	3,030	1,863	2,527	0.150	6.6
44-45 . . .	2,497	1,323	1,108	1,643	0.098	4.3
45-46 . . .	772	865	602	746	0.044	1.9
1946-47 . . .	2,774	2,455	2,834	2,688	0.160	7.0
47-48 . . .	1,434	1,428	1,054	1,305	0.078	3.4
48-49 . . .	4,267	2,840	2,481	3,196	0.190	8.3
49-50 . . .	2,415	1,166	938	1,503	0.089	3.9
50-51 . . .	4,249	1,579	1,148	2,326	0.138	6.0
<i>10 Years' Average</i>	<i>2,401</i>	<i>1,705</i>	<i>1,426</i>	<i>1,844</i>	<i>0.110</i>	<i>4.8</i>
1951-52 . . .	1,249	1,015	1,157	1,140	0.068	3.0
52-53 . . .	1,035	711	628	792	0.047	2.1
53-54 . . .	2,900	1,774	1,426	2,034	0.121	5.3
54-55 . . .	1,469	1,107	962	1,179	0.070	3.1
55-56 . . .	2,783	1,678	1,339	1,935	0.115	5.0
1956-57 . . .	4,756	3,779	2,930	3,822	0.227	9.9
57-58 . . .	3,460	4,500	2,507	3,489	0.208	9.0
58-59 . . .	1,840	1,319	1,449	1,536	0.091	4.0
59-60 . . .	2,373	1,972	1,456	1,934	0.115	5.0
60-61 . . .	4,289	5,829	4,642	4,920	0.293	12.8
<i>10 Years' Average</i>	<i>2,615</i>	<i>2,368</i>	<i>1,850</i>	<i>2,278</i>	<i>0.136</i>	<i>5.9</i>
31 Years' Average	2,452	1,937	1,518	1,969	0.117	5.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **DECEMBER**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1929-30* . . .	855	721	616	726	0.045	1.9
30-31 . . .	654	542	461	550	0.034	1.5
1931-32 . . .	991	1,104	798	959	0.059	2.6
32-33 . . .	1,724	1,257	1,016	1,322	0.081	3.5
33-34 . . .	1,255	1,160	1,039	1,148	0.071	3.1
34-35 . . .	635	557	476	553	0.034	1.5
35-36 . . .	892	751	638	757	0.047	2.0
1936-37 . . .	1,010	826	750	858	0.053	2.3
37-38 . . .	864	891	684	809	0.050	2.2
38-39 . . .	645	543	461	547	0.034	1.5
39-40 . . .	1,064	892	706	881	0.054	2.4
40-41 . . .	1,370	1,289	936	1,190	0.073	3.2
<i>11 Years' Average</i>	<i>1,009</i>	<i>892</i>	<i>724</i>	<i>870</i>	<i>0.054</i>	<i>2.3</i>
1941-42 . . .	1,476	1,017	738	1,066	0.066	2.9
42-43 . . .	870	812	876	854	0.053	2.3
43-44 . . .	1,428	1,174	1,034	1,206	0.074	3.2
44-45 . . .	903	727	618	745	0.046	2.0
45-46 . . .	513	454	383	448	0.028	1.2
1946-47 . . .	1,656	1,488	1,080	1,398	0.086	3.7
47-48 . . .	915	1,001	746	883	0.054	2.4
48-49 . . .	1,398	1,113	917	1,135	0.070	3.0
49-50 . . .	760	958	532	743	0.046	2.0
50-51 . . .	997	846	696	841	0.052	2.3
<i>10 Years' Average</i>	<i>1,092</i>	<i>959</i>	<i>762</i>	<i>932</i>	<i>0.057</i>	<i>2.5</i>
1951-52 . . .	792	655	581	673	0.041	1.8
52-53 . . .	603	801	487	626	0.038	1.7
53-54 . . .	1,200	1,020	834	1,012	0.062	2.7
54-55 . . .	822	929	740	827	0.051	2.2
55-56 . . .	1,179	963	790	971	0.060	2.6
1956-57 . . .	1,874	1,580	1,395	1,979	0.122	5.3
57-58 . . .	1,576	1,019	713	1,090	0.067	2.9
58-59 . . .	1,144	923	763	937	0.058	2.5
59-60 . . .	2,836	4,281	4,973	4,060	0.250	10.9
60-61 . . .	5,536	3,590	1,846	3,422	0.210	9.2
<i>10 Years' Average</i>	<i>1,756</i>	<i>1,576</i>	<i>1,262</i>	<i>1,560</i>	<i>0.096</i>	<i>4.2</i>
31 Years' Average	1,277	1,134	910	1,113	0.069	3.0

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **JANUARY**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	452	375	299	372	0.023	1.0
30-31 . . .	498	387	308	395	0.024	1.1
1931-32 . . .	618	499	387	498	0.031	1.3
32-33 . . .	813	636	527	654	0.040	1.8
33-34 . . .	777	700	549	671	0.041	1.8
34-35 . . .	396	330	281	334	0.021	1.0
35-36 . . .	522	412	339	421	0.026	1.1
1936-37 . . .	533	442	340	435	0.027	1.2
37-38 . . .	524	393	328	412	0.025	1.1
38-39 . . .	356	306	261	306	0.019	1.0
39-40 . . .	577	481	397	482	0.030	1.3
40-41 . . .	771	622	521	634	0.039	1.7
<i>11 Years' Average</i>	<i>580</i>	<i>473</i>	<i>385</i>	<i>477</i>	<i>0.029</i>	<i>1.3</i>
1941-42 . . .	584	493	389	486	0.030	1.3
42-43 . . .	706	538	404	545	0.034	1.5
43-44 . . .	830	688	610	686	0.042	1.8
44-45 . . .	511	433	339	425	0.026	1.1
45-46 . . .	301	254	199	250	0.015	0.7
1946-47 . . .	901	668	571	709	0.044	1.9
47-48 . . .	567	460	417	479	0.029	1.3
48-49 . . .	711	581	456	579	0.036	1.6
49-50 . . .	440	360	310	368	0.023	1.0
50-51 . . .	549	449	353	438	0.027	1.2
<i>10 Years' Average</i>	<i>610</i>	<i>492</i>	<i>405</i>	<i>496</i>	<i>0.030</i>	<i>1.3</i>
1951-52 . . .	418	341	276	342	0.021	0.9
52-53 . . .	379	325	56	247	0.015	0.7
53-54 . . .	690	552	460	564	0.035	1.5
54-55 . . .	578	469	389	476	0.029	1.3
55-56 . . .	636	513	428	523	0.032	1.4
1956-57 . . .	1,101	836	578	830	0.051	2.2
57-58 . . .	37	2	19	19	0.001	0.1
58-59 . . .	584	453	312	445	0.027	1.2
59-60 . . .	1,577	702	423	885	0.054	2.4
60-61 . . .	(323)	(200)	(200)	(240)	(0.015)	(0.6)
<i>10 Years' Average</i>	<i>632</i>	<i>439</i>	<i>314</i>	<i>457</i>	<i>0.028</i>	<i>1.2</i>
31 Years' Average	607	469	369	477	0.029	1.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **FEBRUARY**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	254	219	167	216	0.012	0.5
30-31 . . .	265	221	178	225	0.012	0.5
1931-32 . . .	324	298	257	294	0.017	0.7
32-33 . . .	418	346	304	359	0.020	0.9
33-34 . . .	406	333	277	343	0.019	0.8
34-35 . . .	254	185	156	201	0.011	0.5
35-36 . . .	322	258	222	269	0.015	0.7
1936-37 . . .	286	245	220	252	0.014	0.6
37-38 . . .	290	247	191	247	0.014	0.6
38-39 . . .	218	163	143	177	0.010	0.4
39-40 . . .	328	275	215	275	0.016	0.7
40-41 . . .	444	345	303	368	0.020	0.9
<i>11 Years' Average</i>	<i>323</i>	<i>265</i>	<i>224</i>	<i>274</i>	<i>0.015</i>	<i>0.7</i>
1941-42 . . .	331	294	248	294	0.016	0.7
42-43 . . .	327	268	201	270	0.015	0.7
43-44 . . .	440	370	372	395	0.023	1.0
44-45 . . .	285	242	199	245	0.014	0.6
45-46 . . .	156	141	134	145	0.008	0.4
1946-47 . . .	459	400	388	403	0.022	1.0
47-48 . . .	315	267	205	265	0.015	0.7
48-49 . . .	385	324	272	331	0.018	0.8
49-50 . . .	245	220	271	243	0.013	0.6
50-51 . . .	291	240	186	243	0.013	0.6
<i>10 Years' Average</i>	<i>323</i>	<i>277</i>	<i>243</i>	<i>283</i>	<i>0.016</i>	<i>0.7</i>
1951-52 . . .	239	202	257	232	0.013	0.6
52-53 . . .	203	147	132	163	0.009	0.4
53-54 . . .	360	277	242	297	0.016	0.7
54-55 . . .	325	269	199	269	0.015	0.7
55-56 . . .	400	315	246	323	0.019	0.8
1956-57 . . .	149	42	19	74	0.004	0.2
57-58 . . .	133	621	684	465	0.026	1.1
58-59 . . .	265	152	69	169	0.009	0.4
59-60 . . .	232	91	(100)	142	0.008	0.4
60-61 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.2)
<i>10 Years' Average</i>	<i>241</i>	<i>222</i>	<i>205</i>	<i>223</i>	<i>0.012</i>	<i>0.6</i>
31 Years' Average	297	255	224	261	0.015	0.6

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**
(TUNGABHADRA)

Site **LAKKAVALI**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	140	127	129	131	0.008	0.3
30-31 . . .	146	121	112	126	0.008	0.3
1931-32 . . .	199	160	142	166	0.010	0.4
32-33 . . .	300	271	211	259	0.016	0.7
33-34 . . .	245	213	174	210	0.013	0.6
34-35 . . .	140	122	102	121	0.007	0.3
35-36 . . .	172	142	300	208	0.013	0.6
1936-37 . . .	178	155	157	163	0.010	0.4
37-38 . . .	148	141	159	149	0.009	0.4
38-39 . . .	128	109	111	116	0.007	0.3
39-40 . . .	178	154	129	153	0.009	0.4
40-41 . . .	261	229	216	235	0.014	0.6
<i>11 Years' Average</i>	<i>190</i>	<i>165</i>	<i>165</i>	<i>173</i>	<i>0.011</i>	<i>0.5</i>
1941-42 . . .	197	157	140	164	0.010	0.4
42-43 . . .	171	181	138	163	0.010	0.4
43-44 . . .	315	296	214	273	0.017	0.7
44-45 . . .	159	128	112	132	0.008	0.4
45-46 . . .	120	99	103	107	0.007	0.3
1946-47 . . .	315	249	221	260	0.016	0.7
47-48 . . .	169	160	138	155	0.010	0.4
48-49 . . .	227	203	195	208	0.013	0.6
49-50 . . .	167	146	120	144	0.009	0.4
50-51 . . .	152	142	141	145	0.009	0.4
<i>10 Years' Average</i>	<i>199</i>	<i>176</i>	<i>152</i>	<i>175</i>	<i>0.011</i>	<i>0.5</i>
1951-52 . . .	160	128	111	132	0.008	0.4
52-53 . . .	112	105	93	103	0.006	0.3
53-54 . . .	207	197	228	211	0.013	0.6
54-55 . . .	207	161	158	175	0.011	0.5
55-56 . . .	198	194	149	179	0.011	0.5
1956-57 . . .	22	21	19	21	0.001	0.1
57-58 . . .	505	299	140	309	0.019	0.8
58-59 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
<i>10 Years' Average</i>	<i>171</i>	<i>140</i>	<i>120</i>	<i>143</i>	<i>0.009</i>	<i>0.4</i>
31 Years' Average	187	161	146	164	0.010	0.4

* Not considered for calculating the average.

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALI**

Month **APRIL**

(TUNGABHADRA)

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1929-30* . . .	151	94	97	114	0.007	0.3
30-31 . . .	132	202	144	159	0.009	0.4
1931-32 . . .	207	143	155	168	0.010	0.4
32-33 . . .	189	195	205	196	0.012	0.5
33-34 . . .	148	227	166	180	0.011	0.5
34-35 . . .	138	98	96	110	0.007	0.3
35-36 . . .	251	135	131	172	0.010	0.4
1936-37 . . .	163	131	319	204	0.012	0.5
37-38 . . .	167	189	211	189	0.011	0.5
38-39 . . .	94	118	125	112	0.007	0.3
39-40 . . .	109	102	210	140	0.008	0.4
40-41 . . .	172	166	182	173	0.010	0.4
11 Years' Average	161	155	177	164	0.010	0.4
1941-42 . . .	123	129	156	139	0.008	0.4
42-43 . . .	119	105	119	114	0.007	0.3
43-44 . . .	166	144	158	156	0.009	0.4
44-45 . . .	172	199	182	184	0.011	0.5
45-46 . . .	122	161	158	147	0.009	0.4
1946-47 . . .	251	260	157	223	0.013	0.6
47-48 . . .	224	165	235	208	0.012	0.5
48-49 . . .	244	172	133	183	0.011	0.5
49-50 . . .	103	110	86	100	0.006	0.3
50-51 . . .	137	175	165	159	0.009	0.4
10 Years' Average	166	163	155	161	0.010	0.4
1951-52 . . .	96	100	215	137	0.008	0.4
52-53 . . .	101	194	109	135	0.008	0.4
53-54 . . .	199	215	443	286	0.017	0.7
54-55 . . .	166	197	208	190	0.011	0.5
55-56 . . .	165	163	181	170	0.010	0.4
1956-57 . . .	(20)	(20)	(20)	(20)	(0.001)	(0.1)
57-58 . . .	113	135	252	167	0.010	0.4
58-59 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
10 Years' Average	116	132	173	140	0.008	0.4
31 Years' Average	148	150	168	156	0.009	0.4

*Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 55

River **BHADRA**

Site **LAKKAVALLI**

Month **MAY**

(TUNGABHADRA)

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1929-30* . . .	155	274	170	199	0.012	0.5
30-31 . . .	131	84	68	93	0.006	0.2
1931-32 . . .	168	900	1,243	786	0.048	2.
32-33 . . .	184	500	1,165	634	0.039	1.
33-34 . . .	122	149	107	125	0.008	0.
34-35 . . .	102	114	94	103	0.006	0.3
35-36 . . .	97	137	284	176	0.011	0.5
1936-37 . . .	197	147	126	156	0.010	0.4
37-38 . . .	139	89	181	138	0.008	0.4
38-39 . . .	99	78	86	88	0.005	0.2
39-40 . . .	549	163	482	401	0.025	1.1
40-41 . . .	169	251	145	187	0.011	0.5
<i>11 Years' Average</i>	<i>178</i>	<i>237</i>	<i>362</i>	<i>262</i>	<i>0.016</i>	<i>0.7</i>
1941-42 . . .	153	196	180	176	0.011	0.5
42-43 . . .	145	237	3,158	1,244	0.076	3.3
43-44 . . .	163	213	231	193	0.012	0.5
44-45 . . .	99	84	99	94	0.006	0.3
45-46 . . .	102	77	199	129	0.008	0.3
1946-47 . . .	140	135	128	134	0.008	0.4
47-48 . . .	256	211	121	194	0.012	0.5
48-49 . . .	146	207	894	431	0.027	1.2
49-50 . . .	98	175	89	120	0.007	0.3
50-51 . . .	161	207	352	243	0.015	0.7
<i>10 Years' Average</i>	<i>146</i>	<i>174</i>	<i>545</i>	<i>296</i>	<i>0.018</i>	<i>0.8</i>
1951-52 . . .	235	116	122	156	0.010	0.4
52-53 . . .	87	70	67	75	0.005	0.2
53-54 . . .	179	754	240	386	0.024	1.0
54-55 . . .	177	1,978	3,705	2,010	0.124	5.4
55-56 . . .	796	142	2,041	1,027	0.063	2.8
1956-57 . . .	(50)	(100)	575	252	0.015	0.7
57-58 . . .	270	295	156	238	0.015	0.6
58-59 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61 . . .	(100)	(100)	(100)	(100)	(0.006)	(0.3)
<i>10 Years' Average</i>	<i>209</i>	<i>376</i>	<i>721</i>	<i>444</i>	<i>0.027</i>	<i>1.2</i>
31 Years' Average	178	262	537	332	0.020	0.9

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 56

**River BHADRA
(TUNGABHADRA)**

Site BHADRA ANICUT

Month JUNE

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1947-48 . . .	Nil	693	1,326	673	0.040	1.7
48-49 . . .	390	1,871	5,003	2,421	0.144	6.3
49-50 . . .	945	2,436	4,633	2,671	0.159	6.9
50-51 . . .	N.A.	N.A.	N.A.			
1951-52 . . .	N.A.	N.A.	N.A.			
52-53 . . .	"	"	"			
53-54 . . .	"	"	"			
54-55 . . .	8,225	2,914	2,198	4,446	0.264	11.5

Month JULY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1947-48 . . .	3,628	16,397	19,976	13,548	0.833	36.3
48-49 . . .	8,999	16,282	13,027	12,777	0.786	34.2
49-50 . . .	9,285	21,784	13,222	14,714	0.905	39.4
50-51 . . .	N.A.	N.A.	N.A.			
1951-52 . . .	2,853	5,398	19,852	9,938	0.611	24.6
52-53 . . .	N.A.	N.A.	N.A.			
53-54 . . .	32,936	5,780	11,682	16,634	1.023	44.6
54-55 . . .	10,629	16,126	5,739	10,657	0.656	28.6

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 56

River **BHADRA
(TUNGABHADRA)**

Site **BHADRA ANICUT**

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48 . . .	7,320	11,055	22,476	13,903	0.855	37.2
48-49 . . .	10,602	22,095	15,512	16,052	0.987	43.0
49-50 . . .	18,632	9,415	6,095	11,210	0.689	30.0
50-51 . . .	N.A.	N.A.	N.A.			
1951-52 . . .	13,261	8,200	6,743	9,810	0.603	26.3
52-53 . . .	9,928	14,027	N.A.	N.A.	N.A.	N.A.
53-54 . . .	18,464	23,696	8,524	16,625	1.022	44.5
54-55 . . .	17,432	9,991	4,463	10,430	0.641	27.9

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48 . . .	10,958	8,321	7,860	9,046	0.538	23.4
48-49 . . .	9,425	4,648	4,440	6,171	0.367	16.0
49-50 . . .	4,993	4,498	N.A.	4,828	0.287	12.5
50-51 . . .	N.A.	N.A.	„			
1951-52 . . .	N.A.	N.A.	N.A.			
52-53 . . .	„	„	„			
53-54 . . .	4,829	3,456	3,126	3,804	0.226	9.9
54-55 . . .	3,196	9,184	8,441	6,941	0.413	18.0

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 56

River **BHADRA**
(TUNGABHADRA)

Site **BHADRA ANICUT**

Month **OCTOBER**

<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48 . . .	4,706	4,424	4,191	4,432	0.273	11.9
48-49 . . .	3,731	4,205	2,864	3,576	0.220	9.6
49-50 . . .	N.A.	N.A.	N.A.			
50-51 . . .	"	"	"			
1951-52 . . .	N.A.	4,795	4,203	4,412	0.271	11.8
52-53 . . .	"	N.A.	N.A.			
53-54 . . .	4,092	5,580	7,088	5,635	0.346	15.1
54-55 . . .						

Month **NOVEMBER**

<i>Year</i> <i>(June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1947-48 . . .	3,557	3,040	2,200	2,932	0.174	7.5
48-49 . . .	4,357	3,463	3,010	3,610	0.215	9.4
49-50 . . .	N.A.	N.A.	N.A.			
50-51 . . .	"	"	"			
1951-52 . . .	2,033	1,836	N.A.			
52-53 . . .	N.A.	N.A.	"			
53-54 . . .	2,617	1,879	1,427	1,974	0.117	5.1
54-55 . . .						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 56

**River BHADRA
(TUNGABHADRA)**

Site BHADRA ANICUT

Month DECEMBER

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1947-48 . . .	1,618	1,574	1,862	1,691	0.104	4.5
48-49 . . .	2,356	2,220	1,764	2,105	0.129	5.6
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						

Month JANUARY

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1947-48 . . .	1,100	881	929	969	0.060	2.6
48-49 . . .	1,416	1,204	1,072	1,225	0.075	3.3
49-50 . . .	N.A.	N.A.	N.A.			
50-51 . . .	"	"	"			
1951-52 . . .	N.A.	N.A.	N.A.			
52-53 . . .	1,612	1,646	1,088	1,451	0.089	3.9
53-54 . . .						
54-55 . . .						

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 56

River **BHADRA**
(TUNGABHADRA)

Site **BHADRA ANICUT**

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1947-48 . . .	829	620	585	681	0.039	1.7
48-49 . . .	1,056	1,004	921	999	0.055	2.4
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						



Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C</i>
1947-48 . . .	489	482	308	423	0.026	1.1
48-49 . . .	1,019	1,072	1,013	1,034	0.064	2.8
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 56

River **BHADRA**

Site **BHADRA ANICUT**

Month **APRIL**

(TUNGABHADRA)

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1947-48 . . .	449	378	268	365	0.022	0.9
48-49 . . .	981	1,007	935	974	0.058	2.5
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						

Month **MAY**

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1946-47 . . .	Nil	Nil	Nil	Nil	Nil	Nil
47-48 . . .	156	327	333	274	0.017	0.7
48-49 . . .	1,023	935	1,009	990	0.061	2.7
49-50 . . .						
50-51 . . .						
1951-52 . . .						
52-53 . . .						
53-54 . . .						
54-55 . . .						

VOLUME OF ANNUAL FLOW

SERIAL No. 57

River **VARADA (TUNGABHADRA)** Site **BANAVASI**

Year	Volume of flow	
	M. A. F.	T. M. C.
1908	1.095	47.7
09	0.902	39.3
10	0.774	33.7
1911	0.728	31.7
12	1.439	62.7
13	0.950	41.4
14	1.286	56.0
15	0.523	22.8
1916	1.028	44.8
17	0.900	39.2
18	0.498	21.7
19	0.875	38.1
20	0.760	33.1
1921	0.817	35.6
1.1.22 to 30.4.22*	0.002	0.1
1922-23	0.666	29.0
23-24	1.556	67.8
24-25	1.024	44.6
25-26	1.350	58.8
18 Years' Average	0.954	41.6

* Not considered for calculating the average.

NOTE :—The figures for the years 1908 to 1921 are the volumes of flow for calendar years. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th April.

VOLUME OF SEASONAL AND ANNUAL FLOW

SERIAL No. 58

River **HAGARI (TUNGABHADRA)**

Site **VANI VILAS SAGAR**

Year	Volume of flow					
	January to June		July to December		Annual	
	M. A. F	T. M. C.	M. A. F.	T. M. C.	M. A. F.	T.M.C.
1913*			0.053	2.3		
14	0.005	0.2	0.052	2.3	0.057	2.5
15	0.060	2.6	0.052	2.3	0.112	4.9
1916	0.043	1.9	0.223	9.7	0.266	11.6
17	0.021	0.9	0.236	10.3	0.257	11.2
18	0.048	2.1	0.155	6.7	0.203	8.8
19	0.048	2.1	0.328	14.3	0.376	16.4
20	0.017	0.8	0.055	2.4	0.072	3.2
1921	0.015	0.6	0.060	2.6	0.075	3.2
22	0.034	1.5	0.129	5.6	0.163	7.1
23	0.038	1.7	0.083	3.6	0.121	5.3
24	0.007	0.3	0.066	2.9	0.073	3.2
25	0.019	0.8	0.035	1.5	0.054	2.3
1926	0.024	1.1	0.056	2.4	0.080	3.5
27	0.042	1.8	0.029	1.3	0.071	3.1
28	0.017	0.7	0.111	4.8	0.128	5.5
29	0.014	0.6	0.054	2.4	0.068	3.0
30	0.015	0.7	0.073	3.2	0.088	3.9
1931	0.015	0.6	0.043	1.9	0.058	2.5
32	0.030	1.3	0.550	24.0	0.580	25.3
33	0.033	1.4	0.262	11.4	0.295	12.8
34	0.024	1.0	0.026	1.1	0.050	2.1
35	0.024	1.0	0.070	3.1	0.094	4.1

* Not considered for calculating the average.

VOLUME OF SEASONAL AND ANNUAL FLOW

SERIAL No. 58

River **HAGARI (TUNGABHADRA)**

Site **VANI VILAS SAGAR**

Year	Volume of flow					
	January to June		July to December		Annual	
	M. A. F.	T. M. C.	M. A. F.	T. M. C.	M. A. F.	T. M. C.
1936	0.002	0.1	0.067	2.9	0.069	3.0
37	0.009	0.4	0.069	3.0	0.078	3.4
38	0.001	Nil	0.029	1.3	0.030	1.3
39	0.018	0.8	0.069	3.0	0.087	3.8
40	0.008	0.3	0.150	6.5	0.158	6.8
1941	0.009	0.4	0.086	3.7	0.095	4.1
42	0.020	0.9	0.025	1.1	0.045	2.0
43	0.018	0.8	0.241	10.5	0.259	11.3
44	0.033	1.4	0.104	4.5	0.137	5.9
45	0.012	0.5	0.005	0.2	0.017	0.7
1946	0.023	1.0	0.143	6.2	0.166	7.2
47	Nil	Nil	0.076	3.3	0.076	3.3
48	0.032	1.4	0.101	4.4	0.133	5.8
49	0.007	0.3	0.068	3.0	0.075	3.3
50	0.011	0.5	0.116	5.1	0.127	5.6
1951	0.027	1.2	0.105	4.6	0.132	5.8
52	0.005	0.2	0.088	3.8	0.093	4.0
53	0.036	1.6	0.430	18.7	0.466	20.3
54	0.014	0.6	0.042	1.9	0.056	2.5
55	0.026	1.1	0.205	8.9	0.231	10.0
1956	0.023	1.0	0.251	11.0	0.274	12.0
57	0.058	2.5	0.172	7.5	0.230	10.0
58	0.018	0.8	0.127	5.5	0.145	6.3
59	0.056	2.4	0.194	8.5	0.250	10.9
60	0.012	0.5	0.170	7.4	0.182	7.9
47 Years' Average	0.023	1.0	0.125	5.4	0.148	6.4

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 59

River **HAGARI**

Site **NARANAPUR PROJECT**

Year **1959-60**

(TUNGABHADRA)

Months	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-End	Whole month	M. A. F.	T. M. C.
Feb. 1960	220	220	106	185	0.011	0.5
Mar.	838	408	166	461	0.028	1.2
Apr.	151	243	220	205	0.012	0.5
May	354	799	N.A.	502	0.031	1.3
June	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
July	„	266	184	240	0.015	0.6
Aug.	156	312	312	262	0.016	0.7
Sep.	156	250	218	208	0.012	0.5
Oct.	187	312	312	272	0.017	0.7
Nov.	312	156	250	239	0.014	0.6
Dec.	62	218	113	131	0.008	0.4
Jan. 1961	150	205	148	167	0.010	0.4
Feb.	210	167	170	183	0.010	0.4
Mar.	164	177	144	161	0.010	0.4
Apr.	170	163	220	184	0.011	0.5
May	151	1,526	1,263	980	0.060	2.6
Volume July 1960 to Nov. 1960					0.074	3.1
Volume Dec. 1960 to May 1961					0.109	4.7
Volume July 1960 to May 1961					0.183	7.8

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 60

River **HAGARI**
(TUNGABHADRA)

Site **BHAIRAVANITHIPPA**

Month **JUNE**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	1,678	808	643	1,043	0.062	2.7
58-59 . . .	400	414	250	358	0.021	0.9
59-60 . . .	340	494	1,081	639	0.038	1.7
60-61 . . .	154	145	249	183	0.011	0.5
4 Years' Average	643	465	556	556	0.033	1.4

Month **JULY**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	553	700	406	548	0.034	1.5
58-59 . . .	500	300	272	290	0.018	0.8
59-60 . . .	575	220	390	395	0.024	1.1
60-61 . . .	179	423	377	328	0.020	0.9
4 Years' Average	402	411	361	390	0.024	1.1

Month **AUGUST**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	627	468	630	577	0.035	1.5
58-59 . . .	662	868	591	703	0.043	1.9
59-60 . . .	238	330	354	309	0.019	0.8
60-61 . . .	184	99	204	164	0.010	0.4
4 Years Average	428	441	445	438	0.027	1.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 60

River **HAGARI**
(TUNGABHADRA)

Site **BHAIRAVANITHIPPA**

Month **SEPTEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M.A.F.</i>	<i>T.M.C.</i>
1956-57 . . .						
57-58 . . .	590	939	542	690	0.041	1.8
58-59 . . .	451	1,968	4,611	2,385	0.142	6.2
59-60 . . .	218	218	5,084	1,840	0.109	4.8
60-61 . . .	174	748	843	588	0.035	1.5
4 Years' Average	358	968	2,770	1,376	0.082	3.6

Month **OCTOBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	2,946	89	1,004	1,336	0.082	3.6
58-59 . . .	1,909	696	336	857	0.053	2.3
59-60 . . .	738	295	535	523	0.032	1.4
60-61 . . .	897	216	445	517	0.032	1.4
4 Years' Average	1,622	324	580	808	0.050	2.2

Month **NOVEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30½</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	295	432	109	298	0.018	0.8
58-59 . . .	(630)	(481)	(298)	(470)	(0.028)	(1.2)
59-60 . . .	787	583	455	608	0.036	1.6
60-61 . . .	802	429	329	520	0.031	1.3
4 Years' Average	630	481	298	474	0.028	1.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 60

Rive **HAGARI**

Site **BHAIRAVANITHIPPA**

Month **DECEMBER**

(TUNGABHADRA)

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57 . . .						
57-58 . . .	185	600	886	580	0.036	1.6
58-59 . . .	367	308	168	277	0.017	0.7
59-60 . . .	388	152	184	240	0.015	0.6
60-61 . . .	198	197	93	160	0.010	0.4
4 Years' Average	284	314	333	314	0.020	0.8

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	533	458	401	462	0.028	1.2
57-58 . . .	664	1,158	1,422	1,093	0.067	2.9
58-59 . . .	118	88	93	99	0.006	0.3
59-60 . . .	190	154	178	174	0.011	0.5
60-61 . . .	143	155	187	163	0.010	0.4
4 Years' Average	279	389	470	382	0.024	1.0

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	538	489	527	517	0.029	1.3
57-58 . . .	140	121	155	137	0.008	0.3
58-59 . . .	85	82	56	76	0.004	0.2
59-60 . . .	125	225	100	152	0.009	0.4
60-61 . . .	192	97	98	131	0.007	0.3
4 Years' Average	136	131	102	124	0.007	0.3

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 60

River **HAGARI**
(TUNGABHADRA)

Site **BHAIRAVANITHIPPA**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	428	573	421	473	0.029	1.3
57-58 . . .	71	122	126	107	0.007	0.3
58-59 . . .	122	84	109	105	0.006	0.3
59-60 . . .	114	1,568	116	584	0.036	1.6
60-61 . . .	97	101	187	130	0.008	0.3
4 Years' Average	101	469	134	232	0.014	0.6

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	482	462	623	523	0.031	1.4
57-58 . . .	101	169	247	172	0.010	0.4
58-59 . . .	131	133	99	121	0.007	0.3
59-60 . . .	110	112	134	119	0.007	0.3
60-61 . . .	137	72	204	133	0.008	0.3
4 Years' Average	120	122	171	136	0.008	0.3

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1956-57* . . .	411	551	1,107	703	0.043	1.9
57-58 . . .	Nil	Nil	31	10	0.001	Nil
58-59 . . .	117	181	1,165	510	0.031	1.4
59-60 . . .	166	891	292	445	0.027	1.2
60-61 . . .	191	1,104	754	685	0.042	1.8
4 Years' Average	118	544	560	412	0.025	1.1

* Not considered for calculating the average.

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 61

River **DINDI**

Site **DINDI RESERVOIR**

Month **JUNE**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	23	4	13	13	0.001	Nil
60-61 . . .	Nil	Nil	Nil	Nil	Nil	Nil
3 Years' Average	8	1	4	4	Nil	Nil

Month **JULY**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	233	96	45	122	0.008	0.3
59-60 . . .	124	29	147	102	0.006	0.3
60-61 . . .	248	3	74	107	0.007	0.3
3 Years' Average	202	43	89	110	0.007	0.3

Month **AUGUST**

<i>Year</i> (<i>June to May</i>)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>		
					<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	21	266	1,512	629	0.039	1.7
59-60 . . .	118	22	2,583	962	0.059	2.6
60-61 . . .	28	3	34	22	0.001	0.1
3 Years' Average	56	97	1,376	538	0.033	1.5

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 61

River **DINDI**

Site **DINDI RESERVOIR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	855	155	746	585	0.035	1.5
59-60 . . .	111,961	200	2,229	38,130	2.269	98.8
60-61 . . .	1,365	3,182	2,013	2,187	0.130	5.7
3 Years' Average	38,060	1,179	1,663	13,634	0.811	35.3

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	587	178	77	274	0.017	0.7
59-60 . . .	3,370	951	182	1,459	0.090	3.9
60-61 . . .	1,811	219	82	684	0.042	1.8
3 Years' Average	1,923	449	114	806	0.050	2.1

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	9	7	71	29	0.002	1
59-60 . . .	996	40	Nil	345	0.021	0.9
60-61 . . .	48	12	16	25	0.001	0.1
3 Years' Average	351	20	29	133	0.008	0.4

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 61

River **DINDI**

Site **DINDI RESERVOIR**

Month **DECEMBER**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	16	11	8	11	0.001	Nil
59-60 . . .	Nil	1	1	1	Nil	„
60-61 . . .	8	20	8	12	0.001	„
3 Years' Average	8	11	6	8	0.001	Nil

Month **JANUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	1	„	„	„	„	„
60-61 . . .	6	8	2	5	„	„
3 Years' Average	2	3	1	2	Nil	Nil

Month **FEBRUARY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-28/29</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	„	„	„	„	„	„
60-61 . . .	8	7	„	5	„	„
3 Years' Average	3	2	Nil	2	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 61

River **DINDI**

Site **DINDI RESERVOIR**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	1	"	"	"	"	"
60-61 . . .	17	4	1	7	"	"
3 Years' Average	6	1	Nil	2	Nil	Nil

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	"	"	"	"	"	"
60-61 . . .	5	1	1	2	"	"
3 Years' Average	2	Nil	Nil	1	Nil	Nil

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	"	"	"	"	"	"
60-61 . . .	3	4	3	4	"	"
3 Years' Average	1	1	1	1	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 62

River **PALLERU**

Site **PALLERU RESERVOIR**

Month **JUNE**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	23	8	Nil	Nil
59-60 . . .	32	19	47	32	0.002	0.1
60-61 . . .	Nil	Nil	139	46	0.003	0.1
3 Years' Average	11	6	70	29	0.002	0.1

Month **JULY**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	2,834	852	112	1,229	0.076	3.3
59-60 . . .	130	353	988	506	0.031	1.4
60-61 . . .	354	172	81	225	0.014	0.6
3 Years' Average	1,106	459	394	653	0.040	1.8

Month **AUGUST**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	300	1,565	2,070	1,336	0.082	3.6
59-60 . . .	439	788	6,976	2,871	0.177	7.7
60-61 . . .	102	27	170	102	0.006	0.3
3 Years' Average	280	793	3,072	1,436	0.088	3.9

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 62

River **PALLERU**

Site **PALLERU RESERVOIR**

Month **SEPTEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	1,238	336	768	781	0.046	2.0
59-60 . . .	3,512	330	422	1,421	0.085	3.7
60-61 . . .	58	280	309	215	0.013	0.6
3 Years' Average	1,603	315	500	806	0.048	2.1

Month **OCTOBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	3,580	379	249	1,366	0.084	3.7
59-60 . . .	5,016	774	220	1,946	0.120	5.2
60-61 . . .	460	44	14	168	0.010	0.4
3 Years' Average	3,019	399	161	1,160	0.071	3.1

Month **NOVEMBER**

<i>Year (June to May)</i>	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	193	205	87	162	0.010	0.4
59-60 . . .	165	92	50	102	0.006	0.3
60-61 . . .	5	5	14	8	Nil	Nil
3 Years' Average	121	101	50	91	0.005	0.2

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 62

River PALLERU

Site PALLERU RESERVOIR

Month DECEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1958-59 . . .	40	8	Nil	16	0.001	Nil
59-60 . . .	Nil	Nil	„	Nil	Nil	„
60-61 . . .	38	„	„	12	0.001	„
3 Years' Average	26	3	Nil	9	0.001	Nil

Month JANUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1958-59 . . .	40	18	Nil	19	0.001	0.1
59-60 . . .	Nil	Nil	„	Nil	Nil	Nil
60-61 . . .	18	7	11	12	0.001	„
3 Years' Average	19	8	4	10	0.001	Nil

Month FEBRUARY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1958-59 . . .	43	25	3	25	0.001	0.1
59-60 . . .	Nil	Nil	Nil	Nil	Nil	Nil
60-61 . . .	„	„	„	„	„	„
3 Years' Average	14	8	1	8	Nil	Nil

**MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS
AND THE VOLUME OF FLOW BY MONTHS**

SERIAL No. 62

River **PALLERU**

Site **PALLERU RESERVOIR**

Month **MARCH**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	41	15	0.001	Nil
59-60 . . .	"	"	Nil	Nil	Nil	"
60-61 . . .	"	"	"	"	"	"
3 Years' Average	Nil	Nil	14	5	Nil	Nil

Month **APRIL**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-30</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
3 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil

Month **MAY**

<i>Year</i> (June to May)	<i>Mean discharge (Cusecs)</i>				<i>Volume of flow for the month</i>	
	<i>1-10</i>	<i>11-20</i>	<i>21-31</i>	<i>Whole month</i>	<i>M. A. F.</i>	<i>T. M. C.</i>
1958-59 . . .	Nil	Nil	Nil	Nil	Nil	Nil
59-60 . . .	"	"	"	"	"	"
60-61 . . .	"	"	"	"	"	"
3 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil